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Research Topic

Ginger

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Below you will find compelling research hard-referenced to peer-reviewed biomedical research sourced from the US National Library of Medicine. For more research on over 6000 validated topics, please visit <http://GreenMedInfo.com/research-dashboard>

Overview of Terms

Associated with Your Search Topic

242 Relevant Results for
Diseases

Disease/Symptom	Cumulative Knowledge	Article Count
Diabetes Mellitus: Type 2	73	13
Osteoarthritis: Knee	71	8
Inflammation	54	22
Chemotherapy-Induced Nausea	51	6
Dysmenorrhea	50	4
Nausea: Chemotherapy-Induced	50	4
Nausea: Post-Operative	50	4
Dyspepsia	31	4
Diabetes Mellitus: Type 2: Prevention	30	3
Insulin Resistance	28	6
Oxidative Stress	25	13
Diabetes Mellitus: Type 1	24	4
Hyperlipidemia	24	8
Cancers: All	21	11
Muscle Soreness	21	3
Atherosclerosis	20	1
Breast Cancer	20	8
Chronic Pain	20	1
Diabetes: Glycation/A1C	20	2
High Cholesterol	20	2
Nausea	20	2
Rheumatoid Arthritis	20	2
Chemotherapy-Induced Toxicity: Cisplatin	15	8
Colon Cancer	15	8

Chemically-Induced Liver Damage	12	6
Chemotherapy and Radiation Toxicity	12	3
Colorectal Cancer	12	3
Diabetes Mellitus: Type 1: Prevention	12	2
Diabetic Complications	12	7
Helicobacter Pylori Infection	12	2
Hypercholesterolemia	12	2
Obesity	11	6
Alcohol Toxicity	10	5
Alzheimer's Disease	10	7
Anxiety: Preoperative	10	1
Bleeding: Excessive	10	1
Breast Milk: Inadequate/Poor Quality	10	1
C-Reactive Protein	10	1
C-Reactive Protein (CRP)	10	1
Cachexia: Cancer	10	1
Cardiovascular Disease: Prevention	10	1
Cesarean Section	10	1
Chemotherapy-Induced Toxicity	10	1
Cholesterol: High	10	1
Cognitive Decline/Dysfunction	10	1
Delayed Gastric Emptying	10	1
Fatigue: Cancer-Associated	10	1
Gastroparesis	10	1
Hemodialysis	10	1
Hyperglycemia	10	1
Menopausal Syndrome	10	1
Menorrhagia	10	1

Migraines	10	1
Morning Sickness	10	1
Motion Sickness	10	1
Muscle Damage	10	1
Muscle Soreness: Exercise-Induced	10	1
Myelodysplastic Syndrome	10	1
Nausea: Pregnancy-Associated	10	1
Nausea: Sea-Sickness	10	1
Neurogenic Bladder	10	1
Overweight	10	1
Pneumonia	10	1
Prediabetes	10	1
Premenopausal Disorders	10	1
Quality of Life: Poor	10	1
Respiratory Distress Syndrome	10	1
Stroke: PostStroke Urinary Disorders	10	1
Triglycerides: Elevated	10	1
Tuberculosis	10	1
Uterine Bleeding	10	1
Vertigo	10	1
Weight Problems: Appetite	10	1
Hypertension	9	5
Kidney Damage: Chemically-Induced	9	5
Lipopolysaccharide-Induced Toxicity	9	5
Diabetes: Oxidative Stress	8	4
Myocardial Infarction	8	4
Pancreatic Cancer	8	3
Brain Inflammation	7	4

Prostate Cancer	7	5
Sepsis	7	2
Brain Damage	6	3
Carcinoma: Non-Small-Cell Lung	6	2
Diabetic Nephropathy	6	3
Lipid Peroxidation	6	3
Liver Cancer: Prevention	6	3
Neurodegenerative Diseases	6	4
Parabens-Associated Toxicity	6	4
Arsenic Poisoning	5	3
Cancers	5	1
Gastric Ulcer	5	4
Metabolic Syndrome X	5	3
Radiation Induced Illness	5	3
Respiratory Syncytial Virus Infections	5	1
Arthritis: Rheumatoid	4	2
Cadmium Poisoning	4	2
Chemotherapy-Induced Toxicity: Doxorubicin	4	2
Colitis	4	2
DNA damage	4	3
Diabetes: Cardiovascular Illness	4	2
Diabetes: Kidney Function	4	2
Endotoxemia	4	2
Escherichia coli Infections	4	3
Fructose-Induced Toxicity	4	2
Giardiasis	4	2
Lung Cancer	4	3
Nonalcoholic fatty liver disease (NAFLD)	4	2

Staphylococcus aureus infection	4	4
Bronchopulmonary Dysplasia	3	1
Cancer Metastasis	3	3
Cancers: Drug Resistant	3	3
Cerebral Ischemia	3	2
Diarrhea	3	2
Dog Diseases	3	2
Gastric Cancer	3	2
Gastroesophageal Reflux	3	2
Liver Cancer	3	3
Multiple Sclerosis	3	2
Pets: Heartworm	3	2
Pseudomonas aeruginosa	3	3
ALT: Elevated	2	1
AST: Elevated	2	1
Acetaminophen (Tylenol) Toxicity	2	1
Acid Reflux	2	1
Aging	2	2
Alcoholic Liver Disease	2	1
Allergic Rhinitis	2	1
Allergic Rhinitis: Prevention	2	1
Aluminum Toxicity	2	1
Antibiotic Toxicity	2	1
Bacterial Infections: Resistance/Biofilm Formation	2	2
Bisphenol Toxicity	2	1
Brain: Microglial Activation	2	1
Bromobenzene Toxicity	2	1
Cardiac Hypertrophy	2	1

Cardiovascular Diseases	2	2
Cervical Cancer	2	2
Chemical Exposure	2	1
Chemotherapy-Induced Toxicity: Cyclophosphamide	2	1
Cholesterol: LDL/HDL ratio	2	1
Cytomegalovirus Infections	2	1
Dementia	2	2
Diabetes: Cognitive Dysfunction	2	1
Diabetic Glomerular Hypertrophy	2	1
Diabetic Neuropathy	2	1
Encephalomyelitis	2	1
Endocrine Imbalances	2	1
Esophageal Cancer	2	1
Excitotoxicity	2	1
Fat Malabsorption	2	1
Fibrosis	2	1
Gout	2	1
HIV Infections	2	1
HSV-1	2	1
High Fat Diet	2	1
High Fructose Diet	2	1
Hyperinsulinism	2	1
Hyperuricemia	2	1
Indigestion: Fats	2	1
Infertility: Female	2	1
Inflammatory Bowel Diseases	2	1
Irritable Bowel Syndrome	2	1
Kidney Damage	2	1

Kidney Failure	2	1
Kidney Failure: Acute	2	1
Kidney Failure: Chronic	2	1
Lead Poisoning	2	1
Leptin: Elevated Levels	2	1
Liver Damage	2	1
Liver Damage: Aflatoxin-Induced	2	1
Liver Fibrosis	2	1
Liver Steatosis	2	1
Liver Stress: Fructose-Induced	2	1
Lung Injury: Acute	2	1
Malabsorption Syndrome	2	1
Memory Disorders	2	1
Mercury Poisoning	2	1
Microvilli atrophy	2	1
Morphine Tolerance/Dependence	2	1
Necrotising enterocolitis	2	1
Neuropathic Pain	2	1
Osteoarthritis	2	1
Pain	2	1
Parkinson's Disease	2	2
Pesticide Toxicity	2	1
Pyelonephritis	2	1
Schistosomiasis	2	1
Steatorrhea	2	1
Testicular Injury: Chemical/Metal Induced	2	1
Trigeminal Neuralgia	2	1
Uremia	2	1
Acute lymphoblastic leukemia (ALL)	1	1

Advanced Glycation End products (AGE)	1	1
Advanced Glycation Endproduct (AGE) Formation	1	1
Allergic Airway Diseases	1	1
Allergies	1	1
Alopecia	1	1
Avian Influenza	1	1
Bacillus Cereus infection	1	1
Bone Diseases	1	1
Breast Cancer: Chemically-Induced	1	1
Breast Cancer: Triple Negative	1	1
Candida Glabrata	1	1
Candidiasis: Vulvovaginal	1	1
Central Nervous System Diseases	1	1
Cholesterol: Oxidation	1	1
Chronic Disease	1	1
Colic	1	1
Echinococcosis	1	1
Enterococcus Infections	1	1
Epstein-Barr Virus Infections	1	1
Fatty Liver	1	1
Foodborne Pathogens: Prevention/Food Preservation	1	1
Gastrointestinal Cancer	1	1
Gastrointestinal Inflammation	1	1
Glioblastoma	1	1
Haemophilus influenzae	1	1
Hair Loss	1	1
Hydatidosis	1	1
Hypersensitivity: Respiratory	1	1

Hypoglycemia	1	1
Infection: Antibiotic Resistant	1	1
Listeria Infections	1	1
Liver Disease: Oxidative Stress	1	1
Lymphoma: Dalton's	1	1
Malignant Melanoma	1	1
Melanoma	1	1
Micrococcus luteus infections	1	1
Mycobacterium Infections	1	1
Parasitic Intestinal Diseases	1	1
Premenstrual syndrome	1	1
Rhabdomyosarcoma	1	1
Rhinovirus Infection	1	1
Salmonella Infections	1	1
Skin Cancer: Squamous Cell	1	1
Streptococcus pyogenes	1	1
Thrombosis	1	1
Toxoplasma gondii Infection	1	1
Tumors	1	1
Ultraviolet Radiation Induced Damage	1	1
Upper Respiratory Infections	1	1

108 Relevant Results for Pharmacological Actions

Pharmacological Action Name	Cumulative Knowledge	Article Count
Anti-Inflammatory Agents	147	58
Analgesics	118	13
Antioxidants	109	49
Tumor Necrosis Factor (TNF) Alpha Inhibitor	56	27

Hypoglycemic Agents	46	12
Antiemetics	40	3
Chemotherapeutic	37	9
Gastrointestinal Agents	36	7
Hepatoprotective	33	17
Interleukin-6 Downregulation	32	17
NF-kappaB Inhibitor	32	14
Apoptotic	31	24
Hypolipidemic	29	11
Neuroprotective Agents	29	18
Insulin Sensitizers	26	5
Renoprotective	26	13
Antineoplastic Agents	25	5
Antiproliferative	22	17
Interleukin-1 beta downregulation	22	12
Aldose reductase inhibitor	20	2
Anti-Bacterial Agents	20	10
Chemoprotective Agents	16	9
Malondialdehyde Down-regulation	15	3
Cardioprotective	14	7
Immunomodulatory	14	4
Nitric Oxide Inhibitor	14	3
Chemopreventive	13	10
Gastroprotective	12	2
Radioprotective	12	8
Anti-Apoptotic	10	5
Anti-Cachexic Agents	10	1
Anticholesteremic Agents	10	1

Antiviral Agents	10	5
Galactagogue	10	1
Thermogenic	10	1
Vasopressin Inhibitor	10	1
Cyclooxygenase 2 Inhibitors	9	5
Anti-metastatic	8	8
Anticarcinogenic Agents	8	6
Bcl-2 protein down-regulation	7	5
Cytoprotective	7	2
Acetylcholinesterase Inhibitor	6	4
Antiparasitic Agents	6	5
Interleukin-10 downregulation	6	3
Superoxide Dismutase Up-regulation	6	3
Tumor Suppressor Protein p53 Upregulation	6	2
Caspase-3 Activation	5	1
Cell cycle arrest	5	4
Chemosensitizer	5	4
Nrf2 activation	5	3
P21 Activation	5	1
Antihypertensive Agents	4	2
Antimicrobial	4	3
Antiprotozoal Agents	4	2
Glutathione Upregulation	4	2
Insulin-releasing	4	2
Malonaldehyde (MDA) Down-Regulation	4	2
Spermatogenic	4	2
Matrix metalloproteinase-2 (MMP-2) inhibitor	3	2
Matrix metalloproteinase-9 (MMP-9) inhibitor	3	2

MicroRNA modulator	3	2
Prostaglandin PGE2 downregulation	3	2
Adenosine deaminase inhibitor	2	1
Anti-Allergic Agents	2	1
Anti-Angiogenic	2	1
Anti-Glycation Agents	2	2
Anti-Ulcer Agents	2	1
Antidiarrheals	2	1
Antigiardial agents	2	1
Autophagy Up-regulation	2	1
Bax/Bcl2 Ratio: Decrease	2	1
Calcium Channel Blockers	2	1
Detoxifier	2	1
Enzyme Inhibitors	2	2
Enzyme Inhibitors: Pancreatic Lipase	2	1
Fertility Agents: Female	2	1
Heme oxygenase-1 inducer	2	1
Heme oxygenase-1 up-regulation	2	1
Immunostimulatory	2	1
Interleukin-2 Downregulation	2	1
Leptin Down-Regulation	2	1
Prophylactic Agents	2	1
Prostaglandin Antagonists	2	1
Proton Pump Inhibitor	2	1
Vascular Endothelial Growth Factor Inhibitors	2	1
Vasodilator Agents	2	1
Alpha-glucosidase inhibitor	1	1
Angiogenesis Inhibitors	1	1

Anti-Platelet	1	1
Anti-thrombotic	1	1
Antifungal Agents	1	1
Antispasmodic	1	1
Autophagy Inhibitors	1	1
Food Preservatives	1	1
Genoprotective	1	1
Histone deacetylase inhibitor	1	1
Interleukin-8 downregulation	1	1
Osteoprotective	1	1
Paraptosis	1	1
Phase II Detoxification Enzyme Inducer	1	1
Photoprotective	1	1
Quorum Sensing Inhibition	1	1
Scolicidal	1	1
Survivin Down-Regulation	1	1
TRAIL sensitizer	1	1
Telomerase Inhibitor	1	1
Wnt/β-catenin signaling pathway modulation	1	1
β-secretase Inhibitor	1	1

124 Relevant Results for Substances		
Substance Name	Cumulative Knowledge	Article Count
Polyphenols	66	38
Turmeric	60	24
Cinnamon	41	11
Gingerol	32	22
6-Shogaol	26	14

Saffron	23	5
Cardamom	21	3
Lavender	21	3
Artichoke	20	2
Peppermint	20	2
Black Pepper	16	5
Garlic	13	11
Rosemary	13	3
Frankincense	12	3
Chamomile	11	2
Culinary Herbs and Spices	11	2
Long Pepper	11	2
Orange	11	2
Ayurvedic Formulations	10	1
Echinacea	10	1
Guduchi	10	1
Gymnema Sylvestre	10	1
Protein Supplement	10	1
Pterocarpus marsupium	10	1
Rose	10	1
Spearmint	10	1
Vitamin B-6	10	1
Curcumin	6	5
Catechols	5	4
Clove	5	4
Green Tea	5	3
Capsaicin	4	2
Ginseng	4	3

Peony	4	2
Piperine	4	2
Thyme	4	2
Blueberry	3	2
Chinese Skullcap	3	2
Licorice	3	2
Pinellia	3	2
Red Pepper	3	2
Angelica	2	1
Anise	2	2
Arabic gum	2	1
Black Tea	2	1
Bupleurum	2	1
Chokeberry	2	1
Coriander	2	2
Corn: Purple	2	1
Cumin	2	2
Curcuminoids	2	1
Fermented Foods and Beverages	2	1
Ginkgo biloba	2	2
Grape	2	2
Honey	2	2
Japanese Herbal Formula: Sho-saiko-to	2	1
Jujube	2	1
Mint	2	2
Nutmeg	2	1
Olive Oil	2	1
Omega-3 Fatty Acids	2	1
Onion	2	2

Probiotics	2	1
Pumpkin Seeds	2	1
St. Johns Wort	2	2
Turmeric: Volatile Oils	2	1
Valerian	2	2
Vitamin E	2	1
Zinc	2	1
Apple Polyphenols	1	1
Ashwagandha	1	1
Asparagus	1	1
Basil	1	1
Bay leaf	1	1
Beans: All	1	1
Bergamot	1	1
Black Currant	1	1
Cannabis	1	1
Capparis spinosa (caper)	1	1
Carvacrol	1	1
Cat's Claw	1	1
Chaste Tree (Chasteberry)	1	1
Chondroitin Sulfate	1	1
Chrysin	1	1
Cilantro	1	1
Citrus naringin	1	1
Cranberry	1	1
Cruciferous Vegetables	1	1
Curcuma Longa	1	1
EGCG (Epigallocatechin gallate)	1	1

Fennel	1	1
Fish Oil	1	1
Flaxseed	1	1
Garcinia kola	1	1
Ginseng (Korean)	1	1
Glucosamine	1	1
Gotu Kola	1	1
Grapefruit	1	1
Hesperidin	1	1
Indian Gooseberry	1	1
Juniper	1	1
Kava Kava	1	1
Lemon Balm	1	1
Mustard Oil	1	1
Myrrh	1	1
Nettle	1	1
Nigella sativa (aka Black Seed)	1	1
Olive	1	1
Onions	1	1
Oregano	1	1
Plum	1	1
Pomegranate	1	1
Pumpkin	1	1
Red Clover	1	1
Resveratrol	1	1
Rice Bran	1	1
Saw Palmetto	1	1
Sophora Flavescens	1	1

Tea Tree	1	1
Terminalia	1	1
Tomato	1	1
Tongkat Ali	1	1
Wheat Germ	1	1
Zataria multiflora	1	1

43 Relevant Results for Keywords

Keyword Name	Cumulative Knowledge	Article Count
Plant Extracts	209	68
Essential Oils	62	14
Phytotherapy	55	12
Significant Treatment Outcome	54	7
Natural Substances Versus Drugs	52	5
Superiority of Natural Substances versus Drugs	33	4
Gene Expression Regulation	15	5
Plant Oils	12	2
Risk Reduction	11	2
Ibuprofen Alternatives	10	1
Microbiota	10	1
Supplementation	10	1
Biotransformation	5	1
Fresh Versus Dried Potencies	5	1
Zerumbone	5	1
Anti-Obesity Agents	4	2
Dose Response	3	2
Natural Substance Synergy	3	3
Natural Substance/Drug Synergy	3	3

Antineoplastic Agents	2	1
Chemical: Lindane	2	1
Chemotherapeutic Synergy: Doxorubicin	2	1
Drug Synergy	2	1
Food as Medicine	2	1
Insulinotrophic	2	1
Malathion Toxicity	2	1
Nutrient Absorption	2	1
Prevacid (Lansoprazole) Alternatives	2	1
Significant Treatment Outcome	2	1
Zinc Chloride	2	1
Antibiotic Resistance	1	1
Apoptosis Regulatory Proteins	1	1
Biofilm	1	1
Blood Brain Barrier	1	1
Chemotherapeutic Synergy: Mitomycin C	1	1
Chemotherapy Resistance	1	1
Fruit Juice	1	1
Mesenchymal Stem Cells	1	1
Metabolites	1	1
Multi-Drug Resistant Pathogens	1	1
Paradols	1	1
Polysaccharides	1	1
Traditional Iranian Medicine	1	1

6 Relevant Results for Therapeutic Actions

Therapeutic Action Name	Cumulative Knowledge	Article Count
Aromatherapy	70	7

Massage/Therapeutic Touch	20	2
Exercise	11	2
Aromatherapy Massage	10	1
Integrative Medicine	10	1
Moxibustion	10	1

18 Relevant Results for Problem Substances

Problem Substance Name	Cumulative Knowledge	Article Count
Non-Steroidal Anti-Inflammatory Drugs (NSAIDs)	20	1
Hydroxychloroquine sulfate	10	1
Cadmium	8	4
Fructose	4	2
Isoproterenol	4	2
Aflatoxin	2	1
Antibiotics	2	1
Bisphenol A	2	1
Dichlorvos	2	1
Endocrine Disrupting Chemicals (EDCs)	2	1
Insulin	2	1
Lead	2	1
Lindane	2	1
Mercury	2	1
Monosodium Glutamate (MSG)	2	1
Morphine	2	1
Nanoparticles	2	1
Zinc Oxide	2	1

1 Relevant Result for Problematic Actions

Problematic Action Name	Cumulative Knowledge	Article Count
Western Diet	2	1

View the Evidence.
318 Research Articles in Total.

Category : Diseases

ALT: Elevated (AC 1) (CK 2)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: [21689445](#)

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [ALT: Elevated](#) : CK(70) : AC(11) , [AST: Elevated](#) : CK(46) : AC(6) , [Liver Fibrosis](#) : CK(383) : AC(172)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53) , [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6) , [Renoprotective](#) : CK(1308) : AC(593) , [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

AST: Elevated (AC 1) (CK 2)

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Pharmacological Actions : Glutathione Upregulation : CK(152) : AC(53), Malonaldehyde (MDA) Down-Regulation : CK(20) : AC(6), Renoprotective : CK(1308) : AC(593) , Superoxide Dismutase Up-regulation : CK(1039) : AC(415)

Acetaminophen (Tylenol) Toxicity (AC 1) (CK 2)

Ginger protects against acetaminophen-induced acute liver injury by enhancing liver antioxidant status.

Pubmed Data : Food Chem Toxicol. 2007 Nov;45(11):2267-72. Epub 2007 Jun 9. PMID: [17637489](#)

Article Published Date : Nov 01, 2007

Authors : T A Ajith, U Hema, M S Aswathy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acetaminophen \(Tylenol\) Toxicity](#) : CK(485) : AC(175)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Acid Reflux (AC 1) (CK 2)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: [19570992](#)

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acid Reflux](#) : CK(298) : AC(43) , [Gastroesophageal Reflux](#) : CK(299) : AC(44) , [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Proton Pump Inhibitor](#) : CK(36) : AC(13)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Prevacid \(Lansoprazole\) Alternatives](#) : CK(6) : AC(3)

Acute lymphoblastic leukemia (ALL) (AC 1) (CK 1)

Ginger extract has anti-leukemia and anti-drug resistant effects on malignant cells.

Pubmed Data : J Cancer Res Clin Oncol. 2019 Aug ;145(8):1987-1998. Epub 2019 Jun 18. PMID: [31214760](#)

Article Published Date : Jul 31, 2019

Authors : Somayeh Rahimi Babasheikhali, Soheila Rahgozar, Mahboubeh Mohammadi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acute lymphoblastic leukemia \(ALL\)](#) : CK(130) : AC(39) , [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Advanced Glycation End products (AGE) (AC 1) (CK 1)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: [26926182](#)

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study

Additional Links

Substances : Apple Polyphenols : CK(52) : AC(25) , EGCG (Epigallocatechin gallate) : CK(890) : AC(477), Ginger : CK(775) : AC(207)

Diseases : Advanced Glycation End products (AGE) : CK(369) : AC(138) , Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Anti-Glycation Agents : CK(46) : AC(19) , Antioxidants : CK(14410) : AC(5758), Nrf2 activation : CK(177) : AC(86)

Advanced Glycation Endproduct (AGE) Formation (AC 1) (CK 1)

These findings showed the potential effects of 6S and 6G on the prevention of protein glycation.

Pubmed Data : Chem Res Toxicol. 2015 Aug 6. Epub 2015 Aug 6. PMID: [26247545](#)

Article Published Date : Aug 05, 2015

Authors : Yingdong Zhu, Yantao Zhao, Pei Wang, Mohamed Ahmedna, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Advanced Glycation Endproduct (AGE) Formation : CK(7) : AC(3) , Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Anti-Glycation Agents : CK(46) : AC(19)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Aging (AC 2) (CK 2)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Aging : CK(2716) : AC(676), Alzheimer's Disease : CK(2442) : AC(871), Hypertension : CK(4573) : AC(670), Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Neuroprotective Agents : CK(6374) : AC(2801)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Aging : CK(2716) : AC(676), Cancers: All : CK(22165) : AC(7896), Cardiovascular Diseases : CK(10121) : AC(1456), Dementia : CK(1221) : AC(196), Inflammation : CK(6531) : AC(1986), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), NF-kappaB Inhibitor : CK(2446) : AC(1436)

Alcohol Toxicity (AC 5) (CK 10)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: [28479729](#)

Article Published Date : Dec 31, 2016

Authors : Ganjikutta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger extract improved antioxidant enzymes activity and reduced tHcy and MDA levels.

Pubmed Data : Iran J Med Sci. 2016 May ;41(3 Suppl):S71. PMID: [27840537](#)

Article Published Date : Apr 30, 2016

Authors : Abolfazl Akbari, Khadijeh Nasiri, Mojtaba Heydari, Seyed Hamdollah Mosavat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249)

Pharmacological Actions : [Prophylactic Agents](#) : CK(129) : AC(31)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Lipid Peroxidation](#) : CK(1178) : AC(476)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Alcoholic Liver Disease](#) : CK(152) : AC(61) , [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Hepatoprotective](#) : CK(3182) : AC(1418) , [Hypolipidemic](#) : CK(3189) : AC(707)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: [30862060](#)

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshtir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Gastric Ulcer](#) : CK(289) : AC(117)

Pharmacological Actions : [Anti-Ulcer Agents](#) : CK(390) : AC(140) , [Antioxidants](#) : CK(14410) : AC(5758), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Alcoholic Liver Disease (AC 1) (CK 2)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Alcoholic Liver Disease](#) : CK(152) : AC(61) , [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Hepatoprotective](#) : CK(3182) : AC(1418) , [Hypolipidemic](#) : CK(3189) : AC(707)

Allergic Airway Diseases (AC 1) (CK 1)

An extract of *Z. cassumunar* and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: [25840633](#)

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25) , [Allergies](#) : CK(1076) : AC(205) , [Hypersensitivity: Respiratory](#) : CK(11) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Enzyme Inhibitors](#) : CK(602) : AC(312), [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Allergic Rhinitis (AC 1) (CK 2)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: [26403321](#)

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara,

Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Allergic Rhinitis](#) : CK(392) : AC(52) , [Allergic Rhinitis: Prevention](#) : CK(12) : AC(2)

Pharmacological Actions : [Anti-Allergic Agents](#) : CK(167) : AC(61) , [Immunomodulatory](#) : CK(2249) : AC(733)

Allergic Rhinitis: Prevention (AC 1) (CK 2)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: [26403321](#)

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Allergic Rhinitis](#) : CK(392) : AC(52) , [Allergic Rhinitis: Prevention](#) : CK(12) : AC(2)

Pharmacological Actions : [Anti-Allergic Agents](#) : CK(167) : AC(61) , [Immunomodulatory](#) : CK(2249) : AC(733)

Allergies (AC 1) (CK 1)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: [25840633](#)

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25), [Allergies](#) : CK(1076) : AC(205), [Hypersensitivity: Respiratory](#) : CK(11) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Enzyme Inhibitors](#) : CK(602) : AC(312), [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Alopecia (AC 1) (CK 1)

A review of herbal preparations for the treatment of hair loss.

Pubmed Data : Arch Dermatol Res. 2019 Nov 3. Epub 2019 Nov 3. PMID: [31680216](#)

Article Published Date : Nov 02, 2019

Authors : Ana ZgoncŠkulj, Nina Poljšak, Nina Kočever Glavač, Samo Kreft

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Ginseng](#) : CK(1848) : AC(806), [Ginseng \(Korean\)](#) : CK(337) : AC(100), [Pumpkin](#) : CK(147) : AC(34), [Red Clover](#) : CK(40) : AC(11), [Saw Palmetto](#) : CK(152) : AC(23)

Diseases : [Alopecia](#) : CK(146) : AC(32), [Hair Loss](#) : CK(101) : AC(26)

Aluminum Toxicity (AC 1) (CK 2)

Ginger protects against reproductive toxicity of aluminium chloride in rats.

Pubmed Data : Reprod Domest Anim. 2011 Jul 26. Epub 2011 Jul 26. PMID: [21790801](#)

Article Published Date : Jul 26, 2011

Authors : Wa Moselhy, Na Helmy, Br Abdel-Halim, Tm Nabil, Mi Abdel-Hamid

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Aluminum Toxicity : CK\(443\) : AC\(188\)](#)

Alzheimer's Disease (AC 7) (CK 10)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: [25811848](#)

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#), [Gingerol : CK\(88\) : AC\(48\)](#)

Diseases : [Alzheimer's Disease : CK\(2442\) : AC\(871\)](#), [Oxidative Stress : CK\(6519\) : AC\(2436\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#), [Antioxidants : CK\(14410\) : AC\(5758\)](#), [Neuroprotective Agents : CK\(6374\) : AC\(2801\)](#), [Nitric Oxide Inhibitor : CK\(390\) : AC\(196\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting A β accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: [26639976](#)

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#), [Peony : CK\(50\) : AC\(14\)](#)

Diseases : [Alzheimer's Disease : CK\(2442\) : AC\(871\)](#), [Brain Inflammation : CK\(686\) : AC\(352\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#), [Cyclooxygenase 2 Inhibitors : CK\(1114\) : AC\(645\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: [31057649](#)

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871) , Neurodegenerative Diseases : CK(6185) : AC(1785)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19) , Neuroprotective Agents : CK(6374) : AC(2801)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Aging : CK(2716) : AC(676) , Alzheimer's Disease : CK(2442) : AC(871) , Hypertension : CK(4573) : AC(670) , Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Neuroprotective Agents : CK(6374) : AC(2801)

Blood-brain barrier permeability study of ginger constituents.

Pubmed Data : J Pharm Biomed Anal. 2019 Aug 19 ;177:112820. Epub 2019 Aug 19. PMID: [31476432](#)

Article Published Date : Aug 18, 2019

Authors : Alexandra Simon, András Darcsi, Ágnes Kéry, Eszter Riethmüller

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)
Diseases : Alzheimer's Disease : CK(2442) : AC(871) , Parkinson's Disease : CK(1155) : AC(411)
Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)
Additional Keywords : Blood Brain Barrier : CK(34) : AC(13)

Long-term consumption of aromatic compounds from spices could be effective in the prevention of Alzheimer's disease.

Pubmed Data : Nat Prod Commun. 2016 Apr ;11(4):507-10. PMID: [27396206](#)

Article Published Date : Mar 31, 2016

Authors : Shinichi Matsumura, Kazuya Murata, Yuri Yoshioka, Hideaki Matsuda

Study Type : In Vitro Study

Additional Links

Substances : Cardamom : CK(42) : AC(11) , Cinnamon : CK(309) : AC(119) , Ginger : CK(775) : AC(207) , Long Pepper : CK(15) : AC(9) , Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801) , β -secretase Inhibitor : CK(1) : AC(1)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: [28250905](#)

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review

Additional Links

Substances : Cinnamon : CK(309) : AC(119) , Culinary Herbs and Spices : CK(8191) : AC(2341) , Ginger : CK(775) : AC(207) , Saffron : CK(506) : AC(119) , Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871) , Dementia : CK(1221) : AC(196)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19) , Anti-Inflammatory Agents : CK(12461) : AC(4729)

Antibiotic Toxicity (AC 1) (CK 2)

Zingerone therapy significantly protected liver from

endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: [25184525](#)

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Antibiotic Toxicity](#) : CK(63) : AC(16), [Endotoxemia](#) : CK(83) : AC(43), [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Hepatoprotective](#) : CK(3182) : AC(1418)

Problem Substances : [Antibiotics](#) : CK(576) : AC(102)

Anxiety: Preoperative (AC 1) (CK 10)

Lavender and ginger oil reduce distress levels in children before undergoing anesthesia.

Pubmed Data : J Perianesth Nurs. 2009 Oct;24(5):307-12. PMID: [19853815](#)

Article Published Date : Oct 01, 2009

Authors : DeeAnn Nord, John Belew

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Lavender](#) : CK(366) : AC(47)

Diseases : [Anxiety: Preoperative](#) : CK(30) : AC(3)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Arsenic Poisoning (AC 3) (CK 5)

"6]-Gingerol isolated from ginger attenuates sodium arsenite induced oxidative stress and plays a corrective role in improving insulin signaling in mice."

Pubmed Data : Toxicol Lett. 2012 Jan 10 ;210(1):34-43. Epub 2012 Jan 10. PMID: [22285432](#)

Article Published Date : Jan 10, 2012

Authors : Debrup Chakraborty, Avinaba Mukherjee, Sourav Sikdar, Avijit Paul, Samrat Ghosh, Anisur Rahman Khuda-Bukhsh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

Ginger, Garlic, Clove, and Anise (in order of efficacy) reduce the adverse effects of arsenite in mouse bone marrow cells.

Pubmed Data : Afr J Med Med Sci. 2003 Mar;32(1):75-80. PMID: [15030071](#)

Article Published Date : Mar 01, 2003

Authors : O A Odunola

Study Type : In Vitro Study

Additional Links

Substances : [Anise](#) : CK(53) : AC(12), [Clove](#) : CK(107) : AC(57), [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: [27496583](#)

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Cytoprotective](#) : CK(190) : AC(94), [Detoxifier](#) : CK(512) : AC(171)

Arthritis: Rheumatoid (AC 2) (CK 4)

Ginger contains compounds with significant joint-protective effects in experimental rheumatoid arthritis.

Pubmed Data : J Nat Prod. 2009 Feb 13. PMID: [19216559](#)

Article Published Date : Feb 13, 2009

Authors : Janet L Funk, Jennifer B Frye, Janice N Oyarzo, Barbara N Timmermann

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Arthritis: Rheumatoid](#) : CK(307) : AC(55)

Ginger extract is superior to the NSAID drug indomethacin in a rat model of rheumatoid arthritis.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2009 Mar;104(3):262-71. Epub 2009 Jan 20. PMID: [19175367](#)

Article Published Date : Mar 01, 2009

Authors : Abdel-Motaal M Fouda, Mohamed Y Berika

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Arthritis: Rheumatoid](#) : CK(307) : AC(55)

Additional Keywords : [Food as Medicine](#) : CK(18) : AC(6) , [Superiority of Natural Substances versus Drugs](#) : CK(1538) : AC(312)

Atherosclerosis (AC 1) (CK 20)

The present systematic review and meta-analysis suggests that ginger had a favorable effect on triacylglycerol and low density lipoprotein cholesterol.

Pubmed Data : Phytomedicine. 2018 Apr 1 ;43:28-36. Epub 2018 Mar 19. PMID: [29747751](#)

Article Published Date : Mar 31, 2018

Authors : Makan Pourmasoumi, Amir Hadi, Nahid Rafie, Ameneh Najafgholizadeh, Hamed Mohammadi, Mohammad Hossein Rouhani

Study Type : Meta Analysis

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Atherosclerosis](#) : CK(1017) : AC(315)

Avian Influenza (AC 1) (CK 1)

Ginger may have anti- avian influenza virus H9N2 potential.

Pubmed Data : Pak J Pharm Sci. 2017 Jul ;30(4):1341-1344. PMID: [29039335](#)

Article Published Date : Jun 30, 2017

Authors : Amir Rasool, Muti-Ur-Rehman Khan, Muhammad Asad Ali, Aftab Ahmad Anjum, Ishtiaq Ahmed, Asim Aslam, Ghulam Mustafa, Saima Masood, Muhammad Amjad Ali, Muhammad Nawaz

Study Type : In Vitro Study

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207)

Diseases : [Avian Influenza](#) : CK(25) : AC(13)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Bacillus Cereus infection (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28) , Black Pepper : CK(366) : AC(155) , Coriander : CK(4) : AC(4) , Cumin : CK(55) : AC(32) , Garlic : CK(1099) : AC(367) , Ginger : CK(775) : AC(207) , Mustard Oil : CK(3) : AC(3) , Onions : CK(2) : AC(2) , Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12) , Escherichia coli Infections : CK(279) : AC(188) , Listeria Infections : CK(30) : AC(24) , Micrococcus luteus infections : CK(3) : AC(3) , Salmonella Infections : CK(57) : AC(35) , Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821) , Antimicrobial : CK(776) : AC(352) , Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69) , Natural Substance Synergy : CK(844) : AC(392)

Bacterial Infections: Resistance/Biofilm Formation (AC 2) (CK 2)

Antibacterial effect of *Allium sativum* cloves and *Zingiber officinale* rhizomes against multiple-drug resistant clinical pathogens.

Pubmed Data : Asian Pac J Trop Biomed. 2012 Aug ;2(8):597-601. PMID: [23569978](#)

Article Published Date : Aug 01, 2012

Authors : Ponmurugan Karuppiah, Shyamkumar Rajaram

Study Type : Bacterial

Additional Links

Substances : Garlic : CK(1099) : AC(367) , Ginger : CK(775) : AC(207)

Diseases : Bacterial Infections: Resistance/Biofilm Formation : CK(383) : AC(162) , Infection: Antibiotic Resistant : CK(529) : AC(223)

The role of diallyl sulfides and dipropyl sulfides in the in vitro antimicrobial activity of the essential oil of garlic, *Allium sativum* L., and Leek, *Allium porrum* L.

Pubmed Data : Phytother Res. 2013 Mar ;27(3):380-3. Epub 2012 May 21. PMID: [22610968](#)

Article Published Date : Mar 01, 2013

Authors : Sergio Casella, Michele Leonardi, Bernardo Melai, Filippo Fratini, Luisa Pistelli

Study Type : Bacterial

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207)

Diseases : [Bacterial Infections: Resistance/Biofilm Formation](#) : CK(383) : AC(162)

Additional Keywords : [Multi-Drug Resistant Pathogens](#) : CK(16) : AC(15)

Bisphenol Toxicity (AC 1) (CK 2)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3;134664. Epub 2019 Nov 3. PMID: [31757552](#)

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bisphenol Toxicity](#) : CK(1832) : AC(549)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 up-regulation](#) : CK(73) : AC(40), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Bisphenol A](#) : CK(2216) : AC(646)

Bleeding: Excessive (AC 1) (CK 10)

Ginger is an effective supplement for heavy menstrual bleeding.

Pubmed Data : Phytother Res. 2014 Oct 8. Epub 2014 Oct 8. PMID: [25298352](#)

Article Published Date : Oct 08, 2014

Authors : Farzaneh Kashefi, Marjan Khajehei, Mohammad Alavinia, Ebrahim Golmakani, Javad Asili

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bleeding: Excessive](#) : CK(12) : AC(2), [Menorrhagia](#) : CK(32) : AC(5), [Uterine Bleeding](#) : CK(20) : AC(2)

Bone Diseases (AC 1) (CK 1)

Osteogenic potential of zingerone, a phenolic compound in mouse mesenchymal stem cells.

Pubmed Data : Biofactors. 2019 May 15. Epub 2019 May 15. PMID: [31091349](#)

Article Published Date : May 14, 2019

Authors : Narasimhan Srinaath, Kalimuthu Balagangadharan, Vikraman Pooja, Udhaykumar Paarkavi, Adhikari Trishla, Nagarajan Selvamurugan

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bone Diseases](#) : CK(18) : AC(6)

Pharmacological Actions : [MicroRNA modulator](#) : CK(264) : AC(145)

Additional Keywords : [Mesenchymal Stem Cells](#) : CK(13) : AC(7)

Brain Damage (AC 3) (CK 6)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: [21197427](#)

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44) , [Cerebral Ischemia](#) : CK(443) : AC(192) , [Memory Disorders](#) : CK(666) : AC(218)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: [22224058](#)

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Problem Substances : [Dichlorvos](#) : CK(6) : AC(3) , [Lindane](#) : CK(2) : AC(1)

Neuroprotective role of 6-Gingerol-rich fraction of ginger against acrylonitrile-induced neurotoxicity.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2018 Dec 22. Epub 2018 Dec 22. PMID: [30864424](#)

Article Published Date : Dec 21, 2018

Authors : Ebenezer Olatunde Farombi, Amos Olalekan Abolaji, Babatunde Oluwafemi Adetuyi, Olaide Awosanya, Mobolaji Fabusoro

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Brain Damage](#) : CK(93) : AC(44)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Brain Inflammation (AC 4) (CK 7)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: [25789481](#)

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Inflammation](#) : CK(686) : AC(352), [Central Nervous System Diseases](#) : CK(6) : AC(6) , [Cerebral Ischemia](#) : CK(443) : AC(192)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Paradols](#) : CK(1) : AC(1)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting A β accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: [26639976](#)

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Peony](#) : CK(50) : AC(14)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871) , [Brain Inflammation](#) : CK(686) : AC(352)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger inhibits microglial cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53) , [Brain Inflammation](#) : CK(686) : AC(352), [Inflammation](#) : CK(6531) : AC(1986) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196) , [Prostaglandin Antagonists](#) : CK(27) : AC(13)

The results suggest that the ginger extract can reduce morphine-induced neuroinflammation.

Pubmed Data : Addict Health. 2019 Apr ;11(2):66-72. PMID: [31321003](#)

Article Published Date : Mar 31, 2019

Authors : Shima Torkzadeh-Mahani, Saeed Esmaeili-Mahani, Sima Nasri, Fatemeh Darvishzadeh, Reyhaneh Naderi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Inflammation](#) : CK(686) : AC(352)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Problem Substances : [Morphine](#) : CK(20) : AC(12)

Brain: Microglial Activation (AC 1) (CK 2)

Ginger inhibits microglial cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53), [Brain Inflammation](#) : CK(686) : AC(352), [Inflammation](#) : CK(6531) : AC(1986), [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650), [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196), [Prostaglandin Antagonists](#) : CK(27) : AC(13)

Breast Cancer (AC 8) (CK 20)

6-Dehydrogingerdione, an active constituent of dietary ginger, induces cell cycle arrest and programmed cell death in human breast cancer cells.

Pubmed Data : Mol Nutr Food Res. 2010 Feb 19. Epub 2010 Feb 19. PMID: [20175081](#)

Article Published Date : Feb 19, 2010

Authors : Ya-Ling Hsu, Chung-Yi Chen, Ming-Feng Hou, Eing-Mei Tsai, Yuh-Jyh Jong, Chih-Hsing Hung, Po-Lin Kuo

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Combining ginger extract and doxorubicin revealed a greater efficacy as anticancer therapeutic regimen.

Pubmed Data : Eur J Nutr. 2017 Feb 22. Epub 2017 Feb 22. PMID: [28229277](#)

Article Published Date : Feb 21, 2017

Authors : Nahla E El-Ashmawy, Naglaa F Khedr, Hoda A El-Bahrawy, Hend E Abo Mansour

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Chemosensitizer](#) : CK(772) : AC(577), [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Chemotherapeutic Synergy](#): [Doxorubicin](#) : CK(91) : AC(61)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: [30119267](#)

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Chemosensitizer](#) : CK(772) : AC(577)

Additional Keywords : [Chemotherapeutic Synergy: Mitomycin C](#) : CK(6) : AC(5), [Essential Oils](#) : CK(181) : AC(69)

Ginger and chamomile were both significantly effective for reducing the frequency of vomiting.

Pubmed Data : [Asian Pac J Cancer Prev. 2016 ;17\(8\):4125-9. PMID: 27644672](#)

Article Published Date : Dec 31, 2015

Authors : [Fateme Sanaati](#), [Safa Najafi](#), [Zahra Kashaninia](#), [Masoud Sadeghi](#)

Study Type : [Human Study](#)

Additional Links

Substances : [Chamomile](#) : CK(182) : AC(30), [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Nausea: Chemotherapy-Induced](#) : CK(173) : AC(19)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has significant anti-breast cancer properties.

Pubmed Data : [J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: 22969274](#)

Article Published Date : Jan 01, 2012

Authors : [Ayman I Elkady](#), [Osama A Abuzinadah](#), [Nabih A Baeshen](#), [Tarek R Rahmy](#)

Study Type : [Insect Study](#)

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bax/Bcl2 Ratio: Decrease](#) : CK(15) : AC(9), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : [J Nutr Biochem. 2008 May;19\(5\):313-9. Epub 2007 Aug 1. PMID: 17683926](#)

Article Published Date : May 01, 2008

Authors : [Hyun Sook Lee](#), [Eun Young Seo](#), [Nam E Kang](#), [Woo Kyung Kim](#)

Study Type : [In Vitro Study](#)

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Cancer Metastasis](#) : CK(649) : AC(332)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Antiproliferative](#) : CK(4773) : AC(3450), [Matrix metalloproteinase-2 \(MMP-2\) inhibitor](#) : CK(551) : AC(315)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: [27059786](#)

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Ginseng](#) : CK(1848) : AC(806)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Colon Cancer](#) : CK(1217) : AC(742) , [Esophageal Cancer](#) : CK(666) : AC(141) , [Gastric Cancer](#) : CK(836) : AC(341)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: [31476248](#)

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Breast Cancer: Chemically-Induced](#) : CK(26) : AC(16)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Apoptotic](#) : CK(5217) : AC(3846) , [Chemopreventive](#) : CK(4220) : AC(1326)

Breast Cancer: Chemically-Induced (AC 1) (CK 1)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: [31476248](#)

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Breast Cancer: Chemically-Induced](#) : CK(26) : AC(16)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326)

Breast Cancer: Triple Negative (AC 1) (CK 1)

Ginger extract activates caspase independent paraptosis in cancer cells.

Pubmed Data : Nutr Cancer. 2019 Nov 5:1-13. Epub 2019 Nov 5. PMID: [31690139](#)

Article Published Date : Nov 04, 2019

Authors : Divya Nedungadi, Anupama Binoy, Vivek Vinod, Muralidharan Vanuopadath, Sudarslal Sadasivan Nair, Bipin G Nair, Nandita Mishra

Study Type : In Vitro Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer: Triple Negative](#) : CK(551) : AC(337)

Pharmacological Actions : [Paraptosis](#) : CK(1) : AC(1)

Breast Milk: Inadequate/Poor Quality (AC 1) (CK 10)

Ginger is a promising natural galactagogue to improve

breast milk volume in the immediate postpartum period without any notable side effect.

Pubmed Data : Breastfeed Med. 2016 Aug 9. Epub 2016 Aug 9. PMID: [27505611](#)

Article Published Date : Aug 09, 2016

Authors : Panwara Paritakul, Kasem Ruangrongmorakot, Wipada Laosooksathit, Maysita Suksamarnwong, Pawin Puapornpong

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Milk: Inadequate/Poor Quality](#) : CK(110) : AC(10)

Pharmacological Actions : [Galactagogue](#) : CK(73) : AC(8)

Bromobenzene Toxicity (AC 1) (CK 2)

Ginger protects against bromobenzene-induced liver toxicity in male rats.

Pubmed Data : Food Chem Toxicol. 2009 Jul;47(7):1584-90. Epub 2009 Apr 23. PMID: [19371770](#)

Article Published Date : Jul 01, 2009

Authors : A S El-Sharaky, A A Newairy, M A Kamel, S M Eweda

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bromobenzene Toxicity](#) : CK(4) : AC(2)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Bronchopulmonary Dysplasia (AC 1) (CK 3)

Ginger efficiently reduced the lung damage and protected

the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halilİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1) , [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

C-Reactive Protein (AC 1) (CK 10)

Ginger powder supplementation can reduce inflammatory markers in patients with knee osteoarthritis.

Pubmed Data : J Tradit Complement Med. 2016 Jul ;6(3):199-203. Epub 2015 Jan 28. PMID: [27419081](#)

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein](#) : CK(2693) : AC(263) , [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Nitric Oxide Inhibitor](#) : CK(390) : AC(196)

C-Reactive Protein (CRP) (AC 1) (CK 10)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein \(CRP\)](#) : CK(20) : AC(2), [Diabetes: Glycation/A1C](#) : CK(210) : AC(33), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133), [Hyperglycemia](#) : CK(967) : AC(262), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139)

Cachexia: Cancer (AC 1) (CK 10)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: [31745695](#)

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cachexia: Cancer](#) : CK(50) : AC(15), [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Cachexic Agents](#) : CK(2) : AC(1), [Chemotherapeutic](#) : CK(397) : AC(152)

Cadmium Poisoning (AC 2) (CK 4)

A spice mixture containing garlic, ginger and nutmeg possesses both therapeutic and prophylactic effect against Cd-induced organ damage.

Pubmed Data : Adv Pharm Bull. 2016 Jun ;6(2):271-4. Epub 2016 Jun 30. PMID: [27478792](#)

Article Published Date : May 31, 2016

Authors : Emmanuel Ike Ugwuja, Omotayo O Erejuwa, Nicholas C Ugwu

Study Type : Animal Study

Additional Links

Substances : Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Nutmeg : CK(34) : AC(22)

Diseases : Cadmium Poisoning : CK(232) : AC(116)

Pharmacological Actions : Renoprotective : CK(1308) : AC(593)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Cadmium Poisoning : CK(232) : AC(116)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Interleukin-6 Downregulation : CK(3054) : AC(1144), Neuroprotective Agents : CK(6374) : AC(2801), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Problem Substances : Cadmium : CK(132) : AC(26)

Cancer Metastasis (AC 3) (CK 3)

A novel zingerone derivative and zingerone synergistically suppresses hepatocellular carcinoma metastasis.

Pubmed Data : Bioorg Med Chem Lett. 2017 02 15 ;27(4):1081-1088. Epub 2016 Dec 20. PMID: [28110870](#)

Article Published Date : Jan 14, 2017

Authors : Young-Joo Kim, Youngsic Jeon, Taejung Kim, Won-Chul Lim, Jungyeob Ham, Young Nyun Park, Tae-Jin Kim, Hyeonseok Ko

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cancer Metastasis](#) : CK(649) : AC(332) , [Liver Cancer](#) : CK(1953) : AC(852)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: [17683926](#)

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Cancer Metastasis](#) : CK(649) : AC(332)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927) , [Antiproliferative](#) : CK(4773) : AC(3450) , [Matrix metalloproteinase-2 \(MMP-2\) inhibitor](#) : CK(551) : AC(315)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: [27290916](#)

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancer Metastasis](#) : CK(649) : AC(332) , [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927) , [Apoptotic](#) : CK(5217) : AC(3846) , [Autophagy Inhibitors](#) : CK(26) : AC(13)

Cancers (AC 1) (CK 5)

6-gingerol a component of ginger is extensively metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID: [23066935](#)

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers](#) : CK(7) : AC(3), [Carcinoma: Non-Small-Cell Lung](#) : CK(264) : AC(161), [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450)

Additional Keywords : [Biotransformation](#) : CK(5) : AC(1), [Plant Extracts](#) : CK(11762) : AC(4236)

Cancers: All (AC 11) (CK 21)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Inflammation](#) : CK(6531) : AC(1986), [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758), [Antiproliferative](#) : CK(4773) : AC(3450),

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: [30009484](#)

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: [15304356](#)

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756), [Antioxidants](#) : CK(14410) : AC(5758), [Phase II Detoxification Enzyme Inducer](#) : CK(78) : AC(40)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: [22006742](#)

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896) , Cancers: Drug Resistant : CK(562) : AC(369)

Pharmacological Actions : Anticarcinogenic Agents : CK(1577) : AC(756) , Chemosensitizer : CK(772) : AC(577), Radioprotective : CK(1247) : AC(406)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: [30659535](#)

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Angiogenesis Inhibitors : CK(114) : AC(62) , Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: All : CK(22165) : AC(7896) , Gastrointestinal Cancer : CK(47) : AC(14)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Anticarcinogenic Agents : CK(1577) : AC(756), Apoptotic : CK(5217) : AC(3846), Chemopreventive : CK(4220) : AC(1326), Chemotherapeutic : CK(397) : AC(152)

Additional Keywords : Significant Treatment Outcome : CK(3038) : AC(366)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: [27290916](#)

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancer Metastasis : CK(649) : AC(332) , Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927) , Apoptotic : CK(5217) : AC(3846) , Autophagy Inhibitors : CK(26) : AC(13)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Aging : CK(2716) : AC(676) , Cancers: All : CK(22165) : AC(7896) , Cardiovascular Diseases : CK(10121) : AC(1456) , Dementia : CK(1221) : AC(196) , Inflammation : CK(6531) : AC(1986) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , NF-kappaB Inhibitor : CK(2446) : AC(1436)

The content of 6-shogaol is very low in fresh ginger, but significantly higher after steaming.

Pubmed Data : Am J Chin Med. 2015 Oct 18:1-13. Epub 2015 Oct 18. PMID: [26477795](#)

Article Published Date : Oct 17, 2015

Authors : Chong-Zhi Wang, Lian-Wen Qi, Chun-Su Yuan

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Chemopreventive : CK(4220) : AC(1326)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: [31745695](#)

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cachexia](#): [Cancer](#) : CK(50) : AC(15), [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Cachexic Agents](#) : CK(2) : AC(1), [Chemotherapeutic](#) : CK(397) : AC(152)

Zingerone suppresses angiogenesis via inhibition of matrix metalloproteinases during tumor development.

Pubmed Data : Oncotarget. 2016 Jul 26 ;7(30):47232-47241. PMID: [27323807](#)

Article Published Date : Jul 25, 2016

Authors : Woom-Yee Bae, Jae-Sun Choi, Ja-Eun Kim, Chan Park, Joo-Won Jeong

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Cancers: All](#) : CK(22165) : AC(7896), [Matrix metalloproteinase-2 \(MMP-2\) inhibitor](#) : CK(551) : AC(315), [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Cancers: Drug Resistant (AC 3) (CK 3)

Ginger extract has anti-leukemia and anti-drug resistant effects on malignant cells.

Pubmed Data : J Cancer Res Clin Oncol. 2019 Aug ;145(8):1987-1998. Epub 2019 Jun 18. PMID: [31214760](#)

Article Published Date : Jul 31, 2019

Authors : Somayeh Rahimi Babasheikhali, Soheila Rahgozar, Mahboubeh Mohammadi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acute lymphoblastic leukemia \(ALL\)](#) : CK(130) : AC(39), [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: [22006742](#)

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Chemosensitizer](#) : CK(772) : AC(577), [Radioprotective](#) : CK(1247) : AC(406)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: [28872603](#)

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: Drug Resistant](#) : CK(562) : AC(369) , [Prostate Cancer](#) : CK(2097) : AC(687)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Chemotherapeutic](#) : CK(397) : AC(152)

Candida Glabrata (AC 1) (CK 1)

Antifungal activity of essential oils against azole-resistant and azole-susceptible vaginal Candida glabrata strains.

Pubmed Data : Can J Microbiol. 2018 Oct ;64(10):647-663. Epub 2018 May 10. PMID: [29746162](#)

Article Published Date : Sep 30, 2018

Authors : N Massa, S Cantamessa, G Novello, E Ranzato, S Martinotti, M Pavan, A Rocchetti, G Berta, E Gamalero, E Bona

Study Type : In Vitro Study

Additional Links

Substances : [Anise](#) : CK(53) : AC(12), [Basil](#) : CK(28) : AC(22) , [Basil](#) : CK(28) : AC(22) , [Bergamot](#) : CK(54) : AC(7), [Ginger](#) : CK(775) : AC(207) , [Grapefruit](#) : CK(131) : AC(34) , [Lavender](#) : CK(366) : AC(47) , [Mint](#) : CK(394) : AC(63) , [Oregano](#) : CK(99) : AC(53) , [Rosemary](#) : CK(281) : AC(114), [Tea Tree](#) : CK(130) :

AC(27)

Diseases : Candida Glabrata : CK(4) : AC(2) , Candidiasis: Vulvovaginal : CK(35) : AC(9)

Pharmacological Actions : Antifungal Agents : CK(403) : AC(237)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Candidiasis: Vulvovaginal (AC 1) (CK 1)

Antifungal activity of essential oils against azole-resistant and azole-susceptible vaginal Candida glabrata strains.

Pubmed Data : Can J Microbiol. 2018 Oct ;64(10):647-663. Epub 2018 May 10. PMID: [29746162](#)

Article Published Date : Sep 30, 2018

Authors : N Massa, S Cantamessa, G Novello, E Ranzato, S Martinotti, M Pavan, A Rocchetti, G Berta, E Gamalero, E Bona

Study Type : In Vitro Study

Additional Links

Substances : Anise : CK(53) : AC(12), Basil : CK(28) : AC(22), Basil : CK(28) : AC(22), Bergamot : CK(54) : AC(7), Ginger : CK(775) : AC(207), Grapefruit : CK(131) : AC(34), Lavender : CK(366) : AC(47), Mint : CK(394) : AC(63), Oregano : CK(99) : AC(53), Rosemary : CK(281) : AC(114), Tea Tree : CK(130) : AC(27)

Diseases : Candida Glabrata : CK(4) : AC(2) , Candidiasis: Vulvovaginal : CK(35) : AC(9)

Pharmacological Actions : Antifungal Agents : CK(403) : AC(237)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Carcinoma: Non-Small-Cell Lung (AC 2) (CK 6)

6-gingerol a component of ginger is extensively metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID: [23066935](#)

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers](#) : CK(7) : AC(3), [Carcinoma: Non-Small-Cell Lung](#) : CK(264) : AC(161), [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450)

Additional Keywords : [Biotransformation](#) : CK(5) : AC(1), [Plant Extracts](#) : CK(11762) : AC(4236)

Zerumbone suppresses osteopontin-induced cell invasion in human non-small cell lung cancer A549 cells.

Pubmed Data : J Nat Prod. 2016 Jan 22 ;79(1):156-60. Epub 2015 Dec 17. PMID: [26681550](#)

Article Published Date : Jan 21, 2016

Authors : Chi Gu Kang, Hyo-Jeong Lee, Sung-Hoon Kim, Eun-Ok Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Carcinoma: Non-Small-Cell Lung](#) : CK(264) : AC(161)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Chemotherapeutic](#) : CK(397) : AC(152)

Cardiac Hypertrophy (AC 1) (CK 2)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: [25558849](#)

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cardiac Hypertrophy](#) : CK(52) : AC(30), [Hyperlipidemia](#) : CK(1076) : AC(272), [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032)

Cardiovascular Disease: Prevention (AC 1) (CK 10)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: [26475844](#)

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cardiovascular Disease: Prevention](#) : CK(3250) : AC(433) , [Hemodialysis](#) : CK(463) : AC(49), [Triglycerides: Elevated](#) : CK(846) : AC(142)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Risk Reduction](#) : CK(11700) : AC(1273)

Cardiovascular Diseases (AC 2) (CK 2)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Aging](#) : CK(2716) : AC(676), [Cancers: All](#) : CK(22165) : AC(7896), [Cardiovascular Diseases](#) : CK(10121) : AC(1456), [Dementia](#) : CK(1221) : AC(196), [Inflammation](#) : CK(6531) : AC(1986), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) :

This paper focuses on discussing the importance of selected spices in the prevention and treatment of cardiovascular diseases.

Pubmed Data : Postepy Hig Med Dosw (Online). 2016 Nov 14 ;70(0):1131-1141. Epub 2016 Nov 14. PMID: [27892897](#)

Article Published Date : Nov 13, 2016

Authors : Bartosz Kulczyński, Anna Gramza-Michałowska

Study Type : Review

Additional Links

Substances : Cilantro : CK(15) : AC(5), Cinnamon : CK(309) : AC(119), Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Cardiovascular Diseases : CK(10121) : AC(1456)

Additional Keywords : Risk Reduction : CK(11700) : AC(1273)

Central Nervous System Diseases (AC 1) (CK 1)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: [25789481](#)

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Brain Inflammation : CK(686) : AC(352), Central Nervous System Diseases : CK(6) : AC(6), Cerebral Ischemia : CK(443) : AC(192)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Neuroprotective Agents : CK(6374) : AC(2801), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Paradols : CK(1) : AC(1)

Cerebral Ischemia (AC 2) (CK 3)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: [25789481](#)

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Inflammation](#) : CK(686) : AC(352), [Central Nervous System Diseases](#) : CK(6) : AC(6) , [Cerebral Ischemia](#) : CK(443) : AC(192)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Paradols](#) : CK(1) : AC(1)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: [21197427](#)

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44) , [Cerebral Ischemia](#) : CK(443) : AC(192) , [Memory Disorders](#) : CK(666) : AC(218)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Cervical Cancer (AC 2) (CK 2)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: [30119267](#)

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Chemosensitizer](#) : CK(772) : AC(577)

Additional Keywords : [Chemotherapeutic Synergy: Mitomycin C](#) : CK(6) : AC(5), [Essential Oils](#) : CK(181) : AC(69)

Turmeric and ginger essential oils could induce apoptosis in cervical cancer cells.

Pubmed Data : ScientificWorldJournal. 2016 ;2016:9273078. Epub 2016 Nov 30. PMID: [28042599](#)

Article Published Date : Dec 31, 2015

Authors : P A S R Santos, G B Avanço, S B Nerilo, R I A Marcelino, V Janeiro, M C Valadares, Miguel Machinski

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Cesarean Section (AC 1) (CK 10)

Ginger extract can be used for the prevention of nausea and vomiting during cesarean section under spinal anesthesia.

Pubmed Data : Anesth Pain Med. 2016 Oct ;6(5):e38943. Epub 2016 Aug 15. PMID: [27847700](#)

Article Published Date : Sep 30, 2016

Authors : Hossein Zeraati, Javad Shahinfar, Shiva Imani Hesari, Mahnaz Masrorniya, Fatemeh Nasimi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cesarean Section](#) : CK(492) : AC(39)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Chemical Exposure (AC 1) (CK 2)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: [25816415](#)

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zinc](#) : CK(1067) : AC(165)

Diseases : [Chemical Exposure](#) : CK(67) : AC(21), [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504), [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418), [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : [Malathion Toxicity](#) : CK(2) : AC(1), [Zinc Chloride](#) : CK(2) : AC(1)

Chemically-Induced Liver Damage (AC 6) (CK 12)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: [25816415](#)

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Zinc](#) : CK(1067) : AC(165)

Diseases : [Chemical Exposure](#) : CK(67) : AC(21) , [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504) , [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418) , [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : [Malathion Toxicity](#) : CK(2) : AC(1) , [Zinc Chloride](#) : CK(2) : AC(1)

Ginger extracts can be considered as an effective, economical and safe extract to circumvent phosphamidon induced hepatotoxicity.

Pubmed Data : Indian J Exp Biol. 2015 Sep ;53(9):574-84. PMID: [26548077](#)

Article Published Date : Aug 31, 2015

Authors : Suprabhat Mukherjee, Niladri Mukherjee, Prasanta Saini, Priya Roy, Santi P Sinha Babu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Ginger was able to reduce the severity of diethylnitrosamine-cytotoxicity.

Pubmed Data : Biomarkers. 2019 Apr 12:1-34. Epub 2019 Apr 12. PMID: [30979347](#)

Article Published Date : Apr 11, 2019

Authors : Abdelgawad Fahmi, Naglaa Hassanen, Mariam Abdur-Rahman, Engy Shams-Eldin

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: [26667466](#)

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504) , [Lipid Peroxidation](#) : CK(1178) : AC(476) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Hepatoprotective](#) : CK(3182) : AC(1418)

Review of polyphenol-rich products as potential protective and therapeutic factors against cadmium hepatotoxicity.

Pubmed Data : J Appl Toxicol. 2019 01 ;39(1):117-145. Epub 2018 Sep 14. PMID: [30216481](#)

Article Published Date : Dec 31, 2018

Authors : Magdalena Mężyńska, Malgorzata M Brzóska

Study Type : Animal Study

Additional Links

Substances : [Black Tea](#) : CK(603) : AC(128) , [Blueberry](#) : CK(512) : AC(174) , [Chokeberry](#) : CK(171) : AC(47) , [Ginger](#) : CK(775) : AC(207) , [Green Tea](#) : CK(2720) : AC(822) , [Olive Oil](#) : CK(432) : AC(88) , [Polyphenols](#) : CK(1353) : AC(489) , [Rosemary](#) : CK(281) : AC(114)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Zingerone protects against lipopolysaccharide induced liver damage.

Pubmed Data : Chem Biol Interact. 2018 Feb 1 ;281:106-110. Epub 2017 Dec 28. PMID: [29289488](#)

Article Published Date : Jan 31, 2018

Authors : Wonhwa Lee, Mi-Hye Hwang, Yuri Lee, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Chemotherapy and Radiation Toxicity (AC 3) (CK 12)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: [30352300](#)

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Daily supplement of ginger extract started 3 days prior to chemotherapy has been shown to significantly elevate antioxidant activity.

Pubmed Data : Cancer Manag Res. 2017 ;9:11-18. Epub 2017 Jan 31. PMID: [28203106](#)

Article Published Date : Dec 31, 2016

Authors : Kwanjit Danwilai, Jitprapa Konmun, Bung-Orn Sripanidkulchai, Suphat Subongkot

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Chemotherapeutic](#) : CK(397) : AC(152)

Modulatory effect of zingerone against cisplatin or γ -irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: [31536909](#)

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457) , [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Hepatoprotective](#) : CK(3182) : AC(1418), [Radioprotective](#) : CK(1247) : AC(406)

Chemotherapy-Induced Nausea (AC 6) (CK 51)

A statistically significant change from baseline for health related quality of life was detected after ginger essential oil inhalation.

Pubmed Data : Complement Ther Med. 2015 Jun ;23(3):396-404. Epub 2015 Apr 21. PMID: [26051575](#)

Article Published Date : May 31, 2015

Authors : Pei Lin Lua, Noor Salihah, Nik Mazlan

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17) , [Quality of Life: Poor](#) : CK(549) : AC(57)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Ginger (Zingiber officinale) reduces acute chemotherapy-induced nausea.

Pubmed Data : Support Care Cancer. 2012 Jul ;20(7):1479-89. Epub 2011 Aug 5. PMID: [21818642](#)

Article Published Date : Jul 01, 2012

Authors : Julie L Ryan, Charles E Heckler, Joseph A Roscoe, Shaker R Dakhil, Jeffrey Kirshner, Patrick J Flynn, Jane T Hickok, Gary R Morrow

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17)
Pharmacological Actions : [Antineoplastic Agents](#) : CK(1594) : AC(982)
Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597)

Ginger reduces chemotherapy-induced nausea.

Pubmed Data : Integr Cancer Ther. 2012 Feb 7. Epub 2012 Feb 7. PMID: [22313739](#)

Article Published Date : Feb 07, 2012

Authors : Yunes Panahi, Alireza Saadat, Amirhossein Sahebkar, Farshad Hashemian, Mojgan Taghikhani, Ehsan Abolhasani

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17)

Nausea severity and the number of vomiting episodes were significantly lower in the Ginger intervention group than in the control group.

Pubmed Data : Clin J Oncol Nurs. 2015 Oct 1 ;19(5):E92-E97. PMID: [26414587](#)

Article Published Date : Sep 30, 2015

Authors : Müzeyyen Arslan, Leyla Ozdemir

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17)

Pharmacological Actions : [Chemotherapeutic](#) : CK(397) : AC(152)

Protein and ginger may have therapeutic value in the treatment of chemotherapy-induced delayed nausea.

Pubmed Data : J Altern Complement Med. 2008 Jun;14(5):545-51. PMID: [18537470](#)

Article Published Date : Jun 01, 2008

Authors : Max E Levine, Marcum G Gillis, Sara Yanchis Koch, Anne C Voss, Robert M Stern, Kenneth L Koch

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Protein Supplement](#) : CK(65) : AC(8)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17), [Nausea](#) : CK(50) : AC(5)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

This review indicates that ginger possesses multiple

properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: [25848702](#)

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Chemotherapeutic](#) : CK(397) : AC(152), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Chemotherapy-Induced Toxicity (AC 1) (CK 10)

Ginger root powder is effective in reducing severity of acute and delayed chemotherapy-induced nausea and vomiting as additional therapy to ondansetron and dexamethasone in patients receiving chemotherapy.

Pubmed Data : Pediatr Blood Cancer. 2010 Sep 14. Epub 2010 Sep 14. PMID: [20842754](#)

Article Published Date : Sep 14, 2010

Authors : Anu Kochanujan Pillai, Kamlesh K Sharma, Yogendra K Gupta, Sameer Bakhshi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity](#) : CK(1640) : AC(624), [Nausea: Chemotherapy-Induced](#) : CK(173) : AC(19)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

Chemotherapy-Induced Toxicity: Cyclophosphamide (AC 1) (CK 2)

Combined extracts of pumpkin seed and ginger might be used as a protective agent against cyclophosphamide induced reproductive toxicity.

Pubmed Data : Anat Sci Int. 2016 Sep ;91(4):382-90. Epub 2015 Dec 29. PMID: [26714700](#)

Article Published Date : Aug 31, 2016

Authors : Somaieh Aghaie, Hossein Nikzad, Javad Amini Mahabadi, Mohsen Taghizadeh, Abolfazl Azami-Tameh, Aliakbar Taherian, Seyyed Mohammad Sajjad Sajjadian, Mehran Kamani

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Pumpkin Seeds](#) : CK(11) : AC(2)

Diseases : [Chemotherapy-Induced Toxicity: Cyclophosphamide](#) : CK(78) : AC(28)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Chemotherapy-Induced Toxicity: Cisplatin (AC 8) (CK 15)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: [16971750](#)

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwai, Kanwaljit Chopra

Study Type : Animal Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antineoplastic Agents](#) : CK(1594) : AC(982), [Renoprotective](#) : CK(1308) :

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: [29736620](#)

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity](#): Cisplatin : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Cardioprotective](#) : CK(3412) : AC(1032), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Galangin significantly ameliorated cisplatin induced nephrotoxicity by suppressing MAPK induced inflammation and apoptosis.

Pubmed Data : Phytomedicine. 2017 Oct 15 ;34:154-161. Epub 2017 Jun 15. PMID: [28899498](#)

Article Published Date : Oct 14, 2017

Authors : Ameesha Tomar, Swati Vasisth, Sana Irfan Khan, Salma Malik, Tapas Chandra Nag, Dharamveer Singh Arya, Jagriti Bhatia

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity](#): Cisplatin : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146), [Renoprotective](#) : CK(1308) : AC(593)

Modulatory effect of zingerone against cisplatin or γ -irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: [31536909](#)

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy and Radiation Toxicity : CK(1796) : AC(457) , Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Chemoprotective Agents : CK(356) : AC(146) , Hepatoprotective : CK(3182) : AC(1418), Radioprotective : CK(1247) : AC(406)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: [31165450](#)

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneyt Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Chemoprotective Agents : CK(356) : AC(146)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kilinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Chemoprotective Agents : CK(356) : AC(146), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone has nephroprotective effects in cisplatin rat model of nephrotoxicity.

Pubmed Data : Biomed Pharmacother. 2018 Sep ;105:225-232. Epub 2018 May 30. PMID: [29857302](#)

Article Published Date : Aug 31, 2018

Authors : Tuba Alibakhshi, Mohammad Javad Khodayar, Layasadat Khorsandi, Mohammad

Rashno, Leila Zeidooni

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Renoprotective](#) : CK(1308) : AC(593)

Zingiber officinale (Ginger) alone and in combination with vitamin E partially ameliorated cisplatin-induced nephrotoxicity.

Pubmed Data : Food Chem Toxicol. 2007 Jun;45(6):921-7. Epub 2006 Nov 29. PMID: [17210214](#)

Article Published Date : Jun 01, 2007

Authors : T A Ajith, V Nivitha, S Usha

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Vitamin E](#) : CK(2077) : AC(371)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Additional Keywords : [Antineoplastic Agents](#) : CK(75) : AC(33) , [Plant Extracts](#) : CK(11762) : AC(4236)

Chemotherapy-Induced Toxicity: Doxorubicin (AC 2) (CK 4)

Ginger protects against doxorubicin-induced acute kidney injury.

Pubmed Data : Food Chem Toxicol. 2008 Sep;46(9):3178-81. Epub 2008 Jul 17. PMID: [18680783](#)

Article Published Date : Sep 01, 2008

Authors : T A Ajith, M S Aswathy, U Hema

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Doxorubicin](#) : CK(296) : AC(149)

Zingiber officinale Roscoe ameliorates anticancer antibiotic doxorubicin-induced acute cardiotoxicity.

Pubmed Data : J Exp Ther Oncol. 2016 Jul ;11(3):171-175. PMID: [28471121](#)

Article Published Date : Jun 30, 2016

Authors : Thekkuttuparambil Ananthanarayanan Ajith, Unnikrishnan Hema, Sreedharan Aswathi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity](#): Doxorubicin : CK(296) : AC(149)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032), [Chemoprotective Agents](#) : CK(356) : AC(146)

Additional Keywords : [Chemoprotective Agents](#) : CK(356) : AC(146), [Chemoprotective Agents](#) : CK(356) : AC(146), [Chemoprotective Agents](#) : CK(356) : AC(146), [Chemoprotective Agents](#) : CK(356) : AC(146)

Cholesterol: High (AC 1) (CK 10)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: [18813412](#)

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: High](#) : CK(1353) : AC(216), [High Cholesterol](#) : CK(1774) : AC(271), [Hypercholesterolemia](#) : CK(1851) : AC(317), [Hyperlipidemia](#) : CK(1076) : AC(272)

Cholesterol: LDL/HDL ratio (AC 1) (CK

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: [15707757](#)

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: LDL/HDL ratio](#) : CK(484) : AC(61) , [Diabetes: Cardiovascular Illness](#) : CK(700) : AC(107), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Cholesterol: Oxidation (AC 1) (CK 1)

Ginger extracts, including the water extract possess the antioxidant activities to inhibit human LDL oxidation in vitro.

Pubmed Data : J Med Food. 2014 Apr ;17(4):424-31. Epub 2014 Jan 9. PMID: [24404979](#)

Article Published Date : Mar 31, 2014

Authors : K D Prasanna P Gunathilake, H P Vasantha Rupasinghe

Study Type : In Vitro Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: Oxidation](#) : CK(518) : AC(117)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Chronic Disease (AC 1) (CK 1)

The use of ginger and especially gingerols as medicinal food derivative appears to be safe in treating or preventing chronic diseases.

Pubmed Data : Adv Exp Med Biol. 2016 ;929:177-207. PMID: [27771925](#)

Article Published Date : Dec 31, 2015

Authors : Yasmin Anum Mohd Yusof

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Chronic Disease](#) : CK(84) : AC(10)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Chronic Pain (AC 1) (CK 20)

Zingiberaceae extracts are clinically effective hypoalgesic agents and the available data show a better safety profile than non steroidal anti inflammatory drugs.

Pubmed Data : Nutr J. 2015 ;14:50. Epub 2015 May 14. PMID: [25972154](#)

Article Published Date : Dec 31, 2014

Authors : Shaheen E Lakhan, Christopher T Ford, Deborah Tepper

Study Type : Meta Analysis, Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Chronic Pain](#) : CK(206) : AC(33)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410), [Superiority of Natural Substances versus Drugs](#) : CK(1538) : AC(312)

Problem Substances : [Non-Steroidal Anti-Inflammatory Drugs \(NSAIDs\)](#) : CK(2536) : AC(388)

Cognitive Decline/Dysfunction (AC 1) (CK 10)

Ginger is a potential cognitive enhancer for middle-aged women.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:383062. Epub 2011 Dec 22.
PMID: [22235230](#)

Article Published Date : Jan 01, 2012

Authors : Naritsara Saenghong, Jintanaporn Wattanathorn, Supaporn Muchimapura, Terdthai Tongun, Nawanant Piyavhatkul, Chuleratana Banchonglikitkul, Tanwarat Kajsongkram

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cognitive Decline/Dysfunction](#) : CK(2113) : AC(426)

Colic (AC 1) (CK 1)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: [16187193](#)

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colic](#) : CK(135) : AC(18), [Diarrhea](#) : CK(612) : AC(83), [Dyspepsia](#) : CK(254) : AC(29)

Pharmacological Actions : [Antispasmodic](#) : CK(132) : AC(32)

Colitis (AC 2) (CK 4)

Ginger improved trinitrobenzene sulphonic acid-induced colitis via modulation of NF-κB activity and IL-1β signalling pathway.

Pubmed Data : Food Chem. 2013 Jan 1 ;136(1):170-7. Epub 2012 Aug 10. PMID: [23017409](#)

Article Published Date : Dec 31, 2012

Authors : Chien-Yun Hsiang, Hsin-Yi Lo, Hui-Chi Huang, Chia-Cheng Li, Shih-Lu Wu, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Colitis : CK(565) : AC(262)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(1743) : AC(868), NF-kappaB Inhibitor : CK(2446) : AC(1436)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

These findings suggested that *Angelica sinensis* and *Zingiber officinale* may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: [31387229](#)

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study

Additional Links

Substances : Angelica : CK(94) : AC(33), Ginger : CK(775) : AC(207)

Diseases : Colitis : CK(565) : AC(262), Inflammatory Bowel Diseases : CK(1505) : AC(367)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758)

Colon Cancer (AC 8) (CK 15)

6-gingerol a component of ginger is extensively

metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID: [23066935](#)

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers](#) : CK(7) : AC(3) , [Carcinoma: Non-Small-Cell Lung](#) : CK(264) : AC(161) , [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450)

Additional Keywords : [Biotransformation](#) : CK(5) : AC(1) , [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: [19003968](#)

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742) , [Lung Cancer](#) : CK(1741) : AC(742)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: [27059786](#)

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Ginseng](#) : CK(1848) : AC(806)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Colon Cancer](#) : CK(1217) : AC(742) , [Esophageal Cancer](#) : CK(666) : AC(141) , [Gastric Cancer](#) : CK(836) : AC(341)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846)

Metabolites of [6]-shogaol can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: [23382939](#)

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Colon Cancer : CK(1217) : AC(742) , Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Metabolites : CK(64) : AC(20)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: [26434873](#)

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Honey : CK(784) : AC(188)

Diseases : Colon Cancer : CK(1217) : AC(742)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326), Wnt/ β -catenin signaling pathway modulation : CK(36) : AC(24)

Additional Keywords : Dose Response : CK(1519) : AC(574) , Gene Expression Regulation : CK(431) : AC(214), Plant Extracts : CK(11762) : AC(4236)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: [25889965](#)

Article Published Date : Dec 31, 2014

Authors : Anahuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Honey : CK(784) : AC(188)
Diseases : Colon Cancer : CK(1217) : AC(742) , Colorectal Cancer : CK(2874) : AC(1192) , Inflammation : CK(6531) : AC(1986)
Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)
Additional Keywords : Gene Expression Regulation : CK(431) : AC(214) , Natural Substance Synergy : CK(844) : AC(392)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: [26063410](#)

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Colon Cancer : CK(1217) : AC(742)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Bcl-2 protein down-regulation : CK(419) : AC(295) , Chemosensitizer : CK(772) : AC(577) , Survivin Down-Regulation : CK(15) : AC(13)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Zingerone could be considered as a good chemopreventive agent in experimental model of colon carcinogenesis.

Pubmed Data : Environ Toxicol. 2019 May ;34(5):610-625. Epub 2019 Feb 5. PMID: [30720227](#)

Article Published Date : Apr 30, 2019

Authors : Majid Ahmad Ganaie, Abdulaziz Al Saeedan, Hassan Madhkali, Basit Lateef Jan, Tanvir Khatlani, Ishfaq Ahmad Sheikh, Muneeb U Rehman, Khalida Wani

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Colon Cancer : CK(1217) : AC(742)

Pharmacological Actions : Anticarcinogenic Agents : CK(1577) : AC(756) , Chemopreventive : CK(4220) : AC(1326)

Aromatherapy with light Thai massage can be beneficial for the immune systems of cancer patients who are undergoing chemotherapy.

Pubmed Data : Asian Pac J Cancer Prev. 2013 ;14(6):3903-7. PMID: [23886205](#)

Article Published Date : Dec 31, 2012

Authors : Santisith Khiewkhern, Supanee Promthet, Aemkhea Sukprasert, Wichai Eunhpinitpong, Peter Bradshaw

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colorectal Cancer](#) : CK(2874) : AC(1192)

Therapeutic Actions : [Aromatherapy Massage](#) : CK(100) : AC(10)

Pharmacological Actions : [Immunomodulatory](#) : CK(2249) : AC(733)

Hexahydrocurcumin has a cytotoxic effect against human colorectal cancer cells.

Pubmed Data : Nat Prod Commun. 2011 Nov ;6(11):1671-2. PMID: [22224285](#)

Article Published Date : Nov 01, 2011

Authors : Chung-Yi Chen, Woei-Ling Yang, Soong-Yu Kuo

Study Type : In Vitro Study

Additional Links

Substances : [Curcumin](#) : CK(4844) : AC(2458), [Ginger](#) : CK(775) : AC(207)

Diseases : [Colorectal Cancer](#) : CK(2874) : AC(1192)

Pharmacological Actions : [Cell cycle arrest](#) : CK(1289) : AC(1006)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: [25889965](#)

Article Published Date : Dec 31, 2014

Authors : Anahuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Honey](#) : CK(784) : AC(188)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742), [Colorectal Cancer](#) : CK(2874) : AC(1192),

[Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Apoptotic](#) : CK(5217)

: AC(3846), Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Gene Expression Regulation : CK(431) : AC(214) , Natural Substance Synergy : CK(844) : AC(392)

Cytomegalovirus Infections (AC 1) (CK 2)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: [16964717](#)

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cytomegalovirus Infections](#) : CK(99) : AC(37) , [HIV Infections](#) : CK(849) : AC(260) , [HSV-1](#) : CK(53) : AC(44)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

DNA damage (AC 3) (CK 4)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: [21335001](#)

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [DNA damage](#) : CK(1482) : AC(545) , [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Radioprotective](#) : CK(1247) : AC(406)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249) , [Alcoholic Liver Disease](#) : CK(152) : AC(61) , [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295) , [Hepatoprotective](#) : CK(3182) : AC(1418) , [Hypolipidemic](#) : CK(3189) : AC(707)

Zingerone protects against stannous chloride-induced and hydrogen peroxide-induced oxidative DNA damage.

Pubmed Data : Biol Trace Elem Res. 2013 Dec ;155(3):455-9. Epub 2013 Sep 5. PMID: [24006104](#)

Article Published Date : Nov 30, 2013

Authors : Iyappan Rajan, Nithya Narayanan, Remitha Rabindran, P R Jayasree, P R Manish Kumar

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Genoprotective](#) : CK(413) : AC(148)

Delayed Gastric Emptying (AC 1) (CK 10)

A standardized extract of ginger and artichoke

significantly promoted gastric emptying in healthy volunteers.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Jan ;20(1):146-9. PMID: [26813467](#)

Article Published Date : Dec 31, 2015

Authors : S Lazzini, W Polinelli, A Riva, P Morazzoni, E Bombardelli

Study Type : Human Study

Additional Links

Substances : [Artichoke](#) : CK(162) : AC(34), [Ginger](#) : CK(775) : AC(207)

Diseases : [Delayed Gastric Emptying](#) : CK(107) : AC(13)

Pharmacological Actions : [Gastrointestinal Agents](#) : CK(268) : AC(41)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Dementia (AC 2) (CK 2)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Aging](#) : CK(2716) : AC(676), [Cancers: All](#) : CK(22165) : AC(7896), [Cardiovascular Diseases](#) : CK(10121) : AC(1456), [Dementia](#) : CK(1221) : AC(196), [Inflammation](#) : CK(6531) : AC(1986), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: [28250905](#)

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Culinary Herbs and Spices : CK(8191) : AC(2341) ,
Ginger : CK(775) : AC(207), Saffron : CK(506) : AC(119), Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871), Dementia : CK(1221) : AC(196)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Anti-Inflammatory Agents : CK(12461) : AC(4729)

Diabetes Mellitus: Type 1 (AC 4) (CK 24)

Ameliorative Potentials of Ginger (*Z. officinale* Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: [23847458](#)

Article Published Date : Jun 01, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Kidney Function : CK(79) : AC(24), Diabetes Mellitus: Type 1 : CK(1387) : AC(393), Diabetic Glomerular Hypertrophy : CK(2) : AC(1)

Pharmacological Actions : Renoprotective : CK(1308) : AC(593)

Ginger has anti-diabetic and lipid lowering properties in an animal model of type 1 diabetes.

Pubmed Data : Br J Nutr. 2006 Oct;96(4):660-6. PMID: [17010224](#)

Article Published Date : Oct 01, 2006

Authors : Zainab M Al-Amin, Martha Thomson, Khaled K Al-Qattan, Riitta Peltonen-Shalaby, Muslim Ali

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Cardiovascular Illness : CK(700) : AC(107), Diabetes Mellitus: Type 1 : CK(1387) : AC(393)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger is an aldose reductase inhibitor which may have contribute to the protection against diabetic complications.

Pubmed Data : J Agric Food Chem. 2006 Sep 6;54(18):6640-4. PMID: [16939321](#)

Article Published Date : Sep 06, 2006

Authors : Atsushi Kato, Yasuko Higuchi, Hirozo Goto, Haruhisa Kizu, Tadashi Okamoto, Naoki Asano, Jackie Hollinshead, Robert J Nash, Isao Adachi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: [24490949](#)

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393) , [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Diabetes Mellitus: Type 1: Prevention (AC 2) (CK 12)

Anti-diabetic activity of Zingiber officinale in

streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: [14980006](#)

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50) , [Hypertension](#) : CK(4573) : AC(670)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Insulin-releasing](#) : CK(62) : AC(28)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597)

Problem Substances : [Insulin](#) : CK(149) : AC(23)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: [24490949](#)

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393) , [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Diabetes Mellitus: Type 2 (AC 13) (CK 73)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein \(CRP\)](#) : CK(20) : AC(2), [Diabetes: Glycation/A1C](#) : CK(210) : AC(33), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133), [Hyperglycemia](#) : CK(967) : AC(262), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139)

Clove and fermented ginger supplementation possesses anti-diabetic properties and may help in the control of hyperleptinaemia in type 2 diabetes.

Pubmed Data : Niger J Physiol Sci. 2018 Jun 30 ;33(1):89-93. Epub 2018 Jun 30. PMID: [30091738](#)

Article Published Date : Jun 29, 2018

Authors : A Abdulrazak, Y Tanko, A Mohammed, K A Mohammed, N M Sada, A Au Dikko

Study Type : Animal Study

Additional Links

Substances : [Clove](#) : CK(107) : AC(57), [Fermented Foods and Beverages](#) : CK(1673) : AC(386), [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Leptin: Elevated Levels](#) : CK(24) : AC(12)

Pharmacological Actions : [Leptin Down-Regulation](#) : CK(13) : AC(3)

Dietary garlic and especially ginger have anti-diabetic effects.

Pubmed Data : J Med Food. 2008 Mar;11(1):152-9. PMID: [18361751](#)

Article Published Date : Mar 01, 2008

Authors : Md Shahidul Islam, Haymie Choi

Study Type : Animal Study

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Insulin-releasing](#) : CK(62) : AC(28)

Additional Keywords : [Insulinotrophic](#) : CK(2) : AC(1)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Insulin Resistance](#) : CK(2804) : AC(602), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139), [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: [28125276](#)

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Hyperlipidemia](#) : CK(1076) : AC(272), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has a beneficial effect on type 2 diabetics.

Pubmed Data : Int J Food Sci Nutr. 2013 Mar 18. Epub 2013 Mar 18. PMID: [23496212](#)

Article Published Date : Mar 17, 2013

Authors : Sepide Mahluji, Vahide Ebrahimzade Attari, Majid Mobasseri, Laleh Payahoo, Alireza Ostadrahimi, Samad Ej Golzari

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

Ginger is an aldose reductase inhibitor which may have contribute to the protection against diabetic complications.

Pubmed Data : J Agric Food Chem. 2006 Sep 6;54(18):6640-4. PMID: [16939321](#)

Article Published Date : Sep 06, 2006

Authors : Atsushi Kato, Yasuko Higuchi, Hirozo Goto, Haruhisa Kizu, Tadashi Okamoto, Naoki Asano, Jackie Hollinshead, Robert J Nash, Isao Adachi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Ginger may have a preventive and therapeutic effect in diabetes and its complications.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:516870. Epub 2012 Nov 22. PMID: [23243452](#)

Article Published Date : Dec 31, 2011

Authors : Yiming Li, Van H Tran, Colin C Duke, Basil D Roufogalis

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: [24490949](#)

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393) , [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: [26642658](#)

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Green Tea](#) : CK(2720) : AC(822)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: [24559810](#)

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Glycation/A1C](#) : CK(210) : AC(33), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

The herbal remedies examined had significantly beneficial effects on cholesterol in T2D patients.

Pubmed Data : Rev Diabet Stud. 2014 Fall-Winter;11(3-4):258-66. Epub 2015 Feb 10. PMID: [26177486](#)

Article Published Date : Aug 31, 2014

Authors : Paria Azimi, Reza Ghasvand, Awat Feizi, Mitra Hariri, Behnoud Abbasi

Study Type : Human Study

Additional Links

Substances : [Cardamom](#) : CK(42) : AC(11), [Cinnamon](#) : CK(309) : AC(119), [Ginger](#) : CK(775) : AC(207), [Saffron](#) : CK(506) : AC(119)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [High Cholesterol](#) : CK(1774) : AC(271)

Pharmacological Actions : [Anticholesteremic Agents](#) : CK(2126) : AC(382)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes

in β -cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: [31389247](#)

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Hypolipidemic](#) : CK(3189) : AC(707)

Diabetes Mellitus: Type 2: Prevention (AC 3) (CK 30)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein \(CRP\)](#) : CK(20) : AC(2), [Diabetes: Glycation/A1C](#) : CK(210) : AC(33), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133), [Hyperglycemia](#) : CK(967) : AC(262), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: [24490949](#)

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393) , [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: [24559810](#)

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Glycation/A1C](#) : CK(210) : AC(33) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Diabetes: Cardiovascular Illness (AC 2) (CK 4)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: [15707757](#)

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: LDL/HDL ratio](#) : CK(484) : AC(61) , [Diabetes: Cardiovascular Illness](#) : CK(700) : AC(107), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has anti-diabetic and lipid lowering properties in an animal model of type 1 diabetes.

Pubmed Data : Br J Nutr. 2006 Oct;96(4):660-6. PMID: [17010224](#)

Article Published Date : Oct 01, 2006

Authors : Zainab M Al-Amin, Martha Thomson, Khaled K Al-Qattan, Riitta Peltonen-Shalaby, Muslim Ali

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Cardiovascular Illness](#) : CK(700) : AC(107) , [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Diabetes: Cognitive Dysfunction (AC 1) (CK 2)

Ginger has a neuroprotective effect in diabetic rats.

Pubmed Data : Food Chem Toxicol. 2010 Dec 22. Epub 2010 Dec 22. PMID: [21184796](#)

Article Published Date : Dec 22, 2010

Authors : Kondeti Ramudu Shanmugam, Korivi Mallikarjuna, Nishanth Kesireddy, Kesireddy Sathyavelu Reddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Cognitive Dysfunction](#) : CK(40) : AC(17)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Diabetes: Glycation/A1C (AC 2) (CK 20)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : C-Reactive Protein (CRP) : CK(20) : AC(2), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), Diabetes Mellitus: Type 2: Prevention : CK(981) : AC(133), Hyperglycemia : CK(967) : AC(262), Insulin Resistance : CK(2804) : AC(602)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841), Insulin Sensitizers : CK(707) : AC(139)

The effect of ginger powder supplementation on insulin resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: [24559810](#)

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), Diabetes Mellitus: Type 2: Prevention : CK(981) : AC(133)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841)

Diabetes: Kidney Function (AC 2) (CK

4)

Ameliorative Potentials of Ginger (*Z. officinale* Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: [23847458](#)

Article Published Date : Jun 01, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Kidney Function](#) : CK(79) : AC(24), [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393), [Diabetic Glomerular Hypertrophy](#) : CK(2) : AC(1)

Pharmacological Actions : [Renoprotective](#) : CK(1308) : AC(593)

Ginger has a protective effect against kidney damage associated with diabetes.

Pubmed Data : Chin J Physiol. 2011 Apr 30 ;54(2):79-86. PMID: [21789888](#)

Article Published Date : Apr 30, 2011

Authors : Shanmugam Kondeti Ramudu, Mallikarjuna Korivi, Nishanth Kesireddy, Li-Chen Lee, I-Shiung Cheng, Chia-Hua Kuo, Sathyavelu Reddy Kesireddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Kidney Function](#) : CK(79) : AC(24), [Kidney Damage](#) : CK(193) : AC(64)

Pharmacological Actions : [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Diabetes: Oxidative Stress (AC 4) (CK 8)

A combined extract of purple waxy corn and ginger improves neuropathy, oxidative Stress, and axon density

in streptozotocin induced diabetic rats.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:301029. Epub 2015 Apr 12. PMID: [25969689](#)

Article Published Date : Dec 31, 2014

Authors : Jintanaporn Wattanathorn, Paphaphat Thiraphatthanavong, Supaporn Muchimapura, Wipawee Thukhammee, Kamol Lertrat, Bhalang Suriharn

Study Type : Animal Study

Additional Links

Substances : Corn: Purple : CK(1) : AC(1), Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: [28904557](#)

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40), Diabetic Complications : CK(2530) : AC(735), Fibrosis : CK(16) : AC(10)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: [29966984](#)

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40), Diabetic Nephropathy : CK(394) : AC(151)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932), Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: [30532634](#)

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-2 Downregulation](#) : CK(4) : AC(3), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Diabetic Complications (AC 7) (CK 12)

Adding ginger to daily diet of diabetic patients has useful effects and may ameliorate diabetes complications.

Pubmed Data : Avicenna J Med Biotechnol. 2019 Jul-Sep;11(3):234-238. PMID: [31379996](#)

Article Published Date : Jun 30, 2019

Authors : Shirin Azizidoost, Zahra Nazeri, Asma Mohammadi, Ghorban Mohammadzadeh, Maryam Cheraghzadeh, Alireza Jafari, Alireza Kheirollah

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735), [Hypercholesterolemia](#) : CK(1851) : AC(317)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: [26926182](#)

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study

Additional Links

Substances : Apple Polyphenols : CK(52) : AC(25), EGCG (Epigallocatechin gallate) : CK(890) : AC(477), Ginger : CK(775) : AC(207)

Diseases : Advanced Glycation End products (AGE) : CK(369) : AC(138), Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Anti-Glycation Agents : CK(46) : AC(19), Antioxidants : CK(14410) : AC(5758), Nrf2 activation : CK(177) : AC(86)

Combined ginger and cinnamon have significant beneficial effects on the sperm viability, motility, and serum total testosterone, LH,FSH and serum anti-oxidants level

Pubmed Data : Afr J Tradit Complement Altern Med. 2014 ;11(4):1-8. Epub 2014 Jun 4. PMID: [25392573](#)

Article Published Date : Dec 31, 2013

Authors : Arash Khaki, Amir Afshin Khaki, Laleh Hajhosseini, Farhad Sadeghpour Golzar, Nava Ainehchi

Study Type : Animal Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Spermatogenic : CK(12) : AC(2)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: [28904557](#)

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40), Diabetic Complications : CK(2530) : AC(735), Fibrosis : CK(16) : AC(10)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144)

Protective effect of zingerone on increased vascular contractility in diabetic rat aorta.

Pubmed Data : Eur J Pharmacol. 2016 Jun 5 ;780:174-9. Epub 2016 Mar 25. PMID: [27020549](#)

Article Published Date : Jun 04, 2016

Authors : Salah A Ghareib, Hany M El-Bassossy, Ahmed A Elberry, Ahmad Azhar, Malcolm L Watson, Zainy M Banjar, Abdulrahman M Alahdal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Vasodilator Agents](#) : CK(347) : AC(74)

These findings showed the potential effects of 6S and 6G on the prevention of protein glycation.

Pubmed Data : Chem Res Toxicol. 2015 Aug 6. Epub 2015 Aug 6. PMID: [26247545](#)

Article Published Date : Aug 05, 2015

Authors : Yingdong Zhu, Yantao Zhao, Pei Wang, Mohamed Ahmedna, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Advanced Glycation Endproduct \(AGE\) Formation](#) : CK(7) : AC(3) , [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Glycation Agents](#) : CK(46) : AC(19)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: [27293376](#)

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Angiogenic](#) : CK(282) : AC(192) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763) , [Vascular Endothelial Growth Factor Inhibitors](#) : CK(123) : AC(61)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Diabetic Glomerular Hypertrophy (AC 1) (CK 2)

Ameliorative Potentials of Ginger (*Z. officinale* Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: [23847458](#)

Article Published Date : Jun 01, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Kidney Function](#) : CK(79) : AC(24), [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393), [Diabetic Glomerular Hypertrophy](#) : CK(2) : AC(1)

Pharmacological Actions : [Renoprotective](#) : CK(1308) : AC(593)

Diabetic Nephropathy (AC 3) (CK 6)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: [29966984](#)

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Oxidative Stress](#) : CK(131) : AC(40), [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Zingerone ameliorates renal function via controlling

oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14;1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudassir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: [29367111](#)

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Diabetic Neuropathy (AC 1) (CK 2)

Ginger extracts and its compound, 6-shogaol could reduce pain symptoms in painful diabetic neuropathy.

Pubmed Data : J Ethnopharmacol. 2019 Nov 16. Epub 2019 Nov 16. PMID: [31743763](#)

Article Published Date : Nov 15, 2019

Authors : Fifteen Aprilia Fajrin, Agung Endro Nugroho, Arief Nurrochmad, Rina Susilowati

Study Type : Animal Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207)

Diseases : Diabetic Neuropathy : CK(59) : AC(19)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Diarrhea (AC 2) (CK 3)

Ginger and its derivatives may be effective herbal supplements for the clinical treatment of enterotoxigenic Escherichia coli diarrhea.

Pubmed Data : J Agric Food Chem. 2007 Oct 17 ;55(21):8390-7. Epub 2007 Sep 20. PMID: [17880155](#)

Article Published Date : Oct 16, 2007

Authors : Jaw-Chyun Chen, Li-Jiau Huang, Shih-Lu Wu, Sheng-Chu Kuo, Tin-Yun Ho, Chien-Yun Hsiang

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Diarrhea : CK(612) : AC(83) , Escherichia coli Infections : CK(279) : AC(188)

Pharmacological Actions : Antidiarrheals : CK(110) : AC(20)

Additional Keywords : Phytotherapy : CK(2309) : AC(597)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: [16187193](#)

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Colic : CK(135) : AC(18) , Diarrhea : CK(612) : AC(83) , Dyspepsia : CK(254) : AC(29)

Pharmacological Actions : Antispasmodic : CK(132) : AC(32)

Dog Diseases (AC 2) (CK 3)

Andrographis, Tinospora and especially Zingiber officinale (ginger) have anti-parasitic activity against canine dirofilariasis (heartworm).

Pubmed Data : Res Vet Sci. 2010 Feb;88(1):142-7. Epub 2009 Jun 4. PMID: [19500810](#)

Article Published Date : Feb 01, 2010

Authors : L T Merawin, A K Arifah, R A Sani, M N Somchit, A Zuraini, S Ganabadi, Z A Zakaria

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dog Diseases](#) : CK(3) : AC(2), [Pets: Heartworm](#) : CK(3) : AC(2)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger (intravenous) exhibits antiparasitic activity against Dirofilaria immitis (heartworm).

Pubmed Data : J Helminthol. 1987 Sep;61(3):268-70. PMID: [3668217](#)

Article Published Date : Sep 01, 1987

Authors : A Datta, N C Sukul

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dog Diseases](#) : CK(3) : AC(2), [Pets: Heartworm](#) : CK(3) : AC(2)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Dysmenorrhea (AC 4) (CK 50)

Collectively these RCTs provide suggestive evidence for the effectiveness of 750-2000 mg ginger powder during the first 3-4 days of menstrual cycle for primary

dysmenorrhea.

Pubmed Data : Pain Med. 2015 Jul 14. Epub 2015 Jul 14. PMID: [26177393](#)

Article Published Date : Jul 13, 2015

Authors : James W Daily, Xin Zhang, Da Sol Kim, Sunmin Park

Study Type : Meta Analysis, Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dysmenorrhea](#) : CK(445) : AC(45)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Ginger as well as Novafen is effective in relieving pain in girls with primary dysmenorrhea.

Pubmed Data : Taiwan J Obstet Gynecol. 2018 Dec ;57(6):806-809. PMID: [30545531](#)

Article Published Date : Nov 30, 2018

Authors : Hajar Adib Rad, Zahra Basirat, Fatemeh Bakouei, Ali Akbar Moghadamnia, Soraya Khafri, Zeynab Farhadi Kotenaei, Maryam Nikpour, Somayeh Kazemi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dysmenorrhea](#) : CK(445) : AC(45)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Ginger is as effective as mefenamic acid and ibuprofen in relieving pain in women with primary dysmenorrhea.

Pubmed Data : J Altern Complement Med. 2009 Feb 13. PMID: [19216660](#)

Article Published Date : Feb 13, 2009

Authors : Giti Ozgoli, Marjan Goli, Fariborz Moattar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dysmenorrhea](#) : CK(445) : AC(45)

Additional Keywords : [Ibuprofen Alternatives](#) : CK(57) : AC(14), [Natural Substances Versus Drugs](#) : CK(2055) : AC(410)

Treatment of primary dysmenorrhea in students with ginger for 5 days had a statistically significant effect on relieving intensity and duration of pain.

Pubmed Data : BMC Complement Altern Med. 2012 ;12:92. Epub 2012 Jul 10. PMID: [22781186](#)

Article Published Date : Jan 01, 2012

Authors : Parvin Rahnama, Ali Montazeri, Hassan Fallah Huseini, Saeed Kianbakht, Mohsen Naseri

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dysmenorrhea](#) : CK(445) : AC(45)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Dyspepsia (AC 4) (CK 31)

Ginger and artichoke leaf extracts appears efficacious in the treatment of functional dyspepsia and could represent a promising and safe treatment strategy for this frequent disease.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:915087. Epub 2015 Apr 14. PMID: [25954317](#)

Article Published Date : Dec 31, 2014

Authors : Attilio Giacosa, Davide Guido, Mario Grassi, Antonella Riva, Paolo Morazzoni, Ezio Bombardelli, Simone Perna, Milena A Faliva, Mariangela Rondanelli

Study Type : Human Study

Additional Links

Substances : [Artichoke](#) : CK(162) : AC(34) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Dyspepsia](#) : CK(254) : AC(29)

Pharmacological Actions : [Gastrointestinal Agents](#) : CK(268) : AC(41)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: [16187193](#)

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : Colic : CK(135) : AC(18), Diarrhea : CK(612) : AC(83), Dyspepsia : CK(254) : AC(29)
Pharmacological Actions : Antispasmodic : CK(132) : AC(32)

Ginger stimulates gastric emptying in patients with functional dyspepsia.

Pubmed Data : World J Gastroenterol. 2011 Jan 7;17(1):105-10. PMID: [21218090](#)

Article Published Date : Jan 07, 2011

Authors : Ming-Luen Hu, Christophan K Rayner, Keng-Liang Wu, Seng-Kee Chuah, Wei-Chen Tai, Yeh-Pin Chou, Yi-Chun Chiu, King-Wah Chiu, Tsung-Hui Hu

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Dyspepsia : CK\(254\) : AC\(29\)](#)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: [31380260](#)

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Dyspepsia : CK\(254\) : AC\(29\)](#), [Helicobacter Pylori Infection : CK\(713\) : AC\(152\)](#)

Pharmacological Actions : [Anti-Bacterial Agents : CK\(2088\) : AC\(821\)](#), [Gastroprotective : CK\(534\) : AC\(228\)](#)

Echinococcosis (AC 1) (CK 1)

Turmeric and ginger extracts have high scolical activity and could be used as effective scolical agents against Echinococcus protoscoleces.

Pubmed Data : Saudi J Biol Sci. 2017 Jan ;24(1):90-94. Epub 2016 May 14. PMID: [28053576](#)

Article Published Date : Dec 31, 2016

Authors : Esam Almalki, Esam M Al-Shaebi, Saleh Al-Quarishy, Mansour El-Matbouli, Abdel-Azeem S Abdel-Baki

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Echinococcosis](#) : CK(2) : AC(2)

Pharmacological Actions : [Scolicidal](#) : CK(1) : AC(1)

Encephalomyelitis (AC 1) (CK 2)

ginger extract modulates the expression of the IL-27 and IL-33 in the spinal cord of EAE mice and ameliorates the clinical symptoms of disease.

Pubmed Data : J Neuroimmunol. 2014 Nov 15 ;276(1-2):80-8. Epub 2014 Aug 19. PMID: [25175065](#)

Article Published Date : Nov 14, 2014

Authors : A Jafarzadeh, M Mohammadi-Kordkhayli, R Ahangar-Parvin, V Azizi, H Khoramdel-Azad, A Shamsizadeh, A Ayoobi, M Nemati, Z M Hassan, S M Moazeni, M Khaksari

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Encephalomyelitis](#) : CK(24) : AC(15) , [Multiple Sclerosis](#) : CK(1438) : AC(288)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Endocrine Imbalances (AC 1) (CK 2)

6-Gingerol-rich fraction from Zingiber officinale ameliorates carbendazim-induced endocrine disruption.

Pubmed Data : Andrologia. 2016 Aug 22. Epub 2016 Aug 22. PMID: [27546232](#)

Article Published Date : Aug 21, 2016

Authors : M Salihu, B O Ajayi, I A Adedara, D de Souza, J B T Rocha, E O Farombi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Endocrine Imbalances](#) : CK(15) : AC(5)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Problem Substances : [Endocrine Disrupting Chemicals \(EDCs\)](#) : CK(48) : AC(8)

Endotoxemia (AC 2) (CK 4)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: [28610995](#)

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Endotoxemia](#) : CK(83) : AC(43) , [Sepsis](#) : CK(473) : AC(147)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: [25184525](#)

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Antibiotic Toxicity](#) : CK(63) : AC(16) , [Endotoxemia](#) : CK(83) : AC(43) , [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Hepatoprotective](#) : CK(3182) : AC(1418)

Problem Substances : [Antibiotics](#) : CK(576) : AC(102)

Enterococcus Infections (AC 1) (CK 1)

These spices could be as potential antimicrobial agents for inclusion in the anti-enterococcal treatment regimen.

Pubmed Data : Arch Med Sci. 2015 Aug 12 ;11(4):863-8. Epub 2015 Aug 11. PMID: [26322099](#)

Article Published Date : Aug 11, 2015

Authors : Sharma Revati, Chapagain Bipin, Pai Bhat Chitra, Bhattacharjee Minakshi

Study Type : In Vitro Study

Additional Links

Substances : [Cinnamon](#) : CK(309) : AC(119), [Clove](#) : CK(107) : AC(57), [Cumin](#) : CK(55) : AC(32), [Ginger](#) : CK(775) : AC(207)

Diseases : [Enterococcus Infections](#) : CK(16) : AC(12)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Antibiotic Resistance](#) : CK(70) : AC(13)

Epstein-Barr Virus Infections (AC 1) (CK 1)

Zingiberaceae species (e.g. ginger) contain compounds that inhibit Epstein-Barr virus activation.

Pubmed Data : Br J Cancer. 1999 Apr;80(1-2):110-6. PMID: [10389986](#)

Article Published Date : Apr 01, 1999

Authors : S Vimala, A W Norhanom, M Yadav

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Epstein-Barr Virus Infections](#) : CK(132) : AC(47)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Escherichia coli Infections (AC 3) (CK 4)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28) , Black Pepper : CK(366) : AC(155) , Coriander : CK(4) : AC(4) , Cumin : CK(55) : AC(32) , Garlic : CK(1099) : AC(367) , Ginger : CK(775) : AC(207) , Mustard Oil : CK(3) : AC(3) , Onions : CK(2) : AC(2) , Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12) , Escherichia coli Infections : CK(279) : AC(188) , Listeria Infections : CK(30) : AC(24) , Micrococcus luteus infections : CK(3) : AC(3) , Salmonella Infections : CK(57) : AC(35) , Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821) , Antimicrobial : CK(776) : AC(352) , Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69) , Natural Substance Synergy : CK(844) : AC(392)

Ginger and its derivatives may be effective herbal supplements for the clinical treatment of enterotoxigenic Escherichia coli diarrhea.

Pubmed Data : J Agric Food Chem. 2007 Oct 17 ;55(21):8390-7. Epub 2007 Sep 20. PMID: [17880155](#)

Article Published Date : Oct 16, 2007

Authors : Jaw-Chyun Chen, Li-Jiau Huang, Shih-Lu Wu, Sheng-Chu Kuo, Tin-Yun Ho, Chien-Yun Hsiang

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Diarrhea : CK(612) : AC(83) , Escherichia coli Infections : CK(279) : AC(188)

Pharmacological Actions : Antidiarrheals : CK(110) : AC(20)

Additional Keywords : Phytotherapy : CK(2309) : AC(597)

Ginger essential oil exerts anti-bacteria activity.

Pubmed Data : Mater Sci Eng C Mater Biol Appl. 2017 Apr 1 ;73:381-387. Epub 2016 Dec 27.
PMID: [28183622](#)

Article Published Date : Mar 31, 2017

Authors : Hong Lei, Qiaonian Wei, Qing Wang, Anxiang Su, Mei Xue, Qin Liu, Qiuhui Hu

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Escherichia coli Infections](#) : CK(279) : AC(188), [Staphylococcus aureus infection](#) : CK(305) : AC(219)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Esophageal Cancer (AC 1) (CK 2)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: [27059786](#)

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Ginseng](#) : CK(1848) : AC(806)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Colon Cancer](#) : CK(1217) : AC(742), [Esophageal Cancer](#) : CK(666) : AC(141), [Gastric Cancer](#) : CK(836) : AC(341)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846)

Excitotoxicity (AC 1) (CK 2)

Ginger root extract has a neuroprotective effect against

monosodium glutamate-induced toxicity in male rats.

Pubmed Data : Pak J Biol Sci. 2009 Feb 1;12(3):201-12. PMID: [19579948](#)

Article Published Date : Feb 01, 2009

Authors : Abeer M Waggas

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Excitotoxicity](#) : CK(58) : AC(35)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Fat Malabsorption (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: [21918995](#)

Article Published Date : Sep 14, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study

Additional Links

Substances : [Capsaicin](#) : CK(141) : AC(57), [Ginger](#) : CK(775) : AC(207), [Piperine](#) : CK(225) : AC(109)

Diseases : [Fat Malabsorption](#) : CK(2) : AC(1), [Indigestion: Fats](#) : CK(2) : AC(1), [Steatorrhea](#) : CK(12) : AC(3)

Pharmacological Actions : [Enzyme Inhibitors: Pancreatic Lipase](#) : CK(12) : AC(2)

Fatigue: Cancer-Associated (AC 1) (CK 10)

Adjuvant ginger supplementation is associated with better chemotherapy-induced nausea-related quality of life and less cancer-related fatigue.

Pubmed Data : Nutrients. 2017 Aug 12 ;9(8). Epub 2017 Aug 12. PMID: [28805667](#)

Article Published Date : Aug 11, 2017

Authors : Wolfgang Marx, Alexandra L McCarthy, Karin Ried, Dan McKavanagh, Luis Vitetta, Avni Sali, Anna Lohning, Elisabeth Isenring

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fatigue: Cancer-Associated](#) : CK(55) : AC(7) , [Nausea: Chemotherapy-Induced](#) : CK(173) : AC(19)

Pharmacological Actions : [Antineoplastic Agents](#) : CK(1594) : AC(982)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Fatty Liver (AC 1) (CK 1)

Ginger has potential efficacy for nonalcoholic fatty liver disease.

Pubmed Data : Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2009 Sep;108(3):394-8. PMID: [21246004](#)

Article Published Date : Sep 01, 2009

Authors : Amirhossein Sahebkar

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fatty Liver](#) : CK(1750) : AC(454)

Fibrosis (AC 1) (CK 2)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: [28904557](#)

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40) , [Diabetic Complications](#) : CK(2530) : AC(735), [Fibrosis](#) : CK(16) : AC(10)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144)

Foodborne Pathogens: Prevention/Food Preservation (AC 1) (CK 1)

This study confirmed the potential of selected extracts of spices as effective natural food preservative in juices.

Pubmed Data : Int J Microbiol. 2016 ;2016:9015802. Epub 2016 Jan 4. PMID: [26880927](#)

Article Published Date : Dec 31, 2015

Authors : Romika Dhiman, Neeraj Aggarwal, Kamal Rai Aneja, Manpreet Kaur

Study Type : In Vitro Study

Additional Links

Substances : [Ashwagandha](#) : CK(289) : AC(121), [Ginger](#) : CK(775) : AC(207), [Gotu Kola](#) : CK(51) : AC(21), [Indian Gooseberry](#) : CK(7) : AC(3), [Mint](#) : CK(394) : AC(63), [Terminalia](#) : CK(26) : AC(17), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Foodborne Pathogens](#): [Prevention/Food Preservation](#) : CK(19) : AC(18)

Pharmacological Actions : [Antimicrobial](#) : CK(776) : AC(352), [Food Preservatives](#) : CK(1) : AC(1)

Additional Keywords : [Fruit Juice](#) : CK(85) : AC(11), [Plant Extracts](#) : CK(11762) : AC(4236)

Fructose-Induced Toxicity (AC 2) (CK 4)

Ginger has a beneficial effect on fructose induced hyperlipidemia and hyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: [16359128](#)

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fructose-Induced Toxicity](#) : CK(157) : AC(61), [Hyperinsulinism](#) : CK(251) : AC(56), [Hyperlipidemia](#) : CK(1076) : AC(272), [Metabolic Syndrome X](#) : CK(1548) : AC(275)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Treatment with ginger ameliorates fructose-induced Fatty liver and hypertriglyceridemia in rats.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:570948. Epub 2012 Nov 6. PMID: [23193424](#)

Article Published Date : Jan 01, 2012

Authors : Huanqing Gao, Tao Guan, Chunli Li, Guowei Zuo, Johji Yamahara, Jianwei Wang, Yuhao Li

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fructose-Induced Toxicity](#) : CK(157) : AC(61), [Liver Stress: Fructose-Induced](#) : CK(25) : AC(13)

Problem Substances : [Fructose](#) : CK(361) : AC(106)

Gastric Cancer (AC 2) (CK 3)

Kampo preparation Daikenchuto could be useful for

cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: [27059786](#)

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Ginseng](#) : CK(1848) : AC(806)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Colon Cancer](#) : CK(1217) : AC(742), [Esophageal Cancer](#) : CK(666) : AC(141), [Gastric Cancer](#) : CK(836) : AC(341)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846)

These results indicated that the effective components of Pinelliae extract for Purging Stomach-Fire in gastric cancer treatment were pinelliae and dried ginger.

Pubmed Data : Am J Transl Res. 2016 ;8(7):2937-46. Epub 2016 Jul 15. PMID: [27508014](#)

Article Published Date : Dec 31, 2015

Authors : Xi-Ping Liu, Hai-Xia Ming, Pei-Qing Li

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Pinellia](#) : CK(3) : AC(2)

Diseases : [Gastric Cancer](#) : CK(836) : AC(341)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Gastric Ulcer (AC 4) (CK 5)

Ginger contains phytochemicals that significantly inhibit gastric lesions.

Pubmed Data : J Ethnopharmacol. 1988 Jul-Aug;23(2-3):299-304. PMID: [3193792](#)

Article Published Date : Jul 01, 1988

Authors : J Yamahara, M Mochizuki, H Q Rong, H Matsuda, H Fujimura

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastric Ulcer](#) : CK(289) : AC(117)

Ginger is superior to lansoprazole at blocking ulcer formation.

Pubmed Data : Mol Nutr Food Res. 2007 Mar;51(3):324-32. PMID: [17295419](#)

Article Published Date : Mar 01, 2007

Authors : Mugur N Siddaraju, Shylaja M Dharmesh

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastric Ulcer](#) : CK(289) : AC(117), [Gastroesophageal Reflux](#) : CK(299) : AC(44)

Additional Keywords : [Superiority of Natural Substances versus Drugs](#) : CK(1538) : AC(312)

Turmeric and ginger essential oils could reduce the gastric ulcers in rat stomachs.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2015 Jan ;26(1):95-103. PMID: [24756059](#)

Article Published Date : Dec 31, 2014

Authors : Vijayasteltar B Liju, Kottarapat Jeena, Ramadasan Kuttan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric: Volatile Oils](#) : CK(14) : AC(4)

Diseases : [Gastric Ulcer](#) : CK(289) : AC(117)

Pharmacological Actions : [Gastroprotective](#) : CK(534) : AC(228)

Additional Keywords : [Plant Oils](#) : CK(55) : AC(24)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: [30862060](#)

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshtir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Gastric Ulcer](#) : CK(289) : AC(117)

Pharmacological Actions : [Anti-Ulcer Agents](#) : CK(390) : AC(140), [Antioxidants](#) : CK(14410) : AC(5758), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Gastroesophageal Reflux (AC 2) (CK 3)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: [19570992](#)

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acid Reflux](#) : CK(298) : AC(43) , [Gastroesophageal Reflux](#) : CK(299) : AC(44) , [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Proton Pump Inhibitor](#) : CK(36) : AC(13)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Prevacid \(Lansoprazole\) Alternatives](#) : CK(6) : AC(3)

Ginger is superior to lansoprazole at blocking ulcer formation.

Pubmed Data : Mol Nutr Food Res. 2007 Mar;51(3):324-32. PMID: [17295419](#)

Article Published Date : Mar 01, 2007

Authors : Mugur N Siddaraju, Shylaja M Dharmesh

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastric Ulcer](#) : CK(289) : AC(117) , [Gastroesophageal Reflux](#) : CK(299) : AC(44)

Additional Keywords : [Superiority of Natural Substances versus Drugs](#) : CK(1538) : AC(312)

Gastrointestinal Cancer (AC 1) (CK 1)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its

active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Cancers: All : CK(22165) : AC(7896), Gastrointestinal Cancer : CK(47) : AC(14)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Anticarcinogenic Agents : CK(1577) : AC(756), Apoptotic : CK(5217) : AC(3846), Chemopreventive : CK(4220) : AC(1326), Chemotherapeutic : CK(397) : AC(152)

Additional Keywords : Significant Treatment Outcome : CK(3038) : AC(366)

Gastrointestinal Inflammation (AC 1) (CK 1)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: [28369951](#)

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Gastrointestinal Inflammation : CK(118) : AC(41)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-6 Downregulation : CK(3054) : AC(1144), Interleukin-8 downregulation : CK(406) : AC(147), NF-kappaB Inhibitor : CK(2446) : AC(1436), Prostaglandin PGE2 downregulation : CK(23) : AC(11)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Gastroparesis (AC 1) (CK 10)

Ginger extract reduces delayed gastric emptying and nosocomial pneumonia in adult respiratory distress syndrome patients hospitalized in an intensive care unit.

Pubmed Data : J Crit Care. 2010 Feb 9. Epub 2010 Feb 9. PMID: [20149584](#)

Article Published Date : Feb 09, 2010

Authors : Zahra Vahdat Shariatpanahi, Fourogh Azam Taleban, Majid Mokhtari, Shaahin Shahbazi

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Gastroparesis : CK(107) : AC(13), Pneumonia : CK(421) : AC(57), Respiratory Distress Syndrome : CK(15) : AC(4)

Giardiasis (AC 2) (CK 4)

Ginger and Turmeric extracts may represent effective and natural therapeutic alternatives in the treatment of giardiasis.

Pubmed Data : Parasitol Res. 2016 Mar 16. Epub 2016 Mar 16. PMID: [26984104](#)

Article Published Date : Mar 15, 2016

Authors : Ahmad K Dyab, Doaa A Yones, Zedan Z Ibraheim, Tasneem M Hassan

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Giardiasis : CK(29) : AC(8)

Pharmacological Actions : Antiprotozoal Agents : CK(47) : AC(19), Gastrointestinal Agents : CK(268) : AC(41)

Additional Keywords : Dose Response : CK(1519) : AC(574)

Ginger and cinnamon extracts had potential therapeutic effects on G. lamblia infection in albino rats as a promising alternative therapy to the commonly used anti giardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: [25759734](#)

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Giardiasis : CK(29) : AC(8)

Pharmacological Actions : Antigiardial agents : CK(4) : AC(2), Antioxidants : CK(14410) : AC(5758), Antiprotozoal Agents : CK(47) : AC(19)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236), Significant Treatment Outcome : CK(24) : AC(4)

Glioblastoma (AC 1) (CK 1)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: [25034532](#)

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Glioblastoma : CK(398) : AC(193)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846), Bcl-2 protein down-regulation : CK(419) : AC(295), TRAIL sensitizer : CK(3) : AC(2)

Additional Keywords : Apoptosis Regulatory Proteins : CK(1) : AC(1)

Gout (AC 1) (CK 2)

6-Shogaol, a compound found within ginger, exerts a strong anti-inflammatory activity against urate crystal-

induced inflammation in mice.

Pubmed Data : Methods Find Exp Clin Pharmacol. 2010 Sep;32(7):467-73. PMID: [19819286](#)

Article Published Date : Sep 01, 2010

Authors : Evan Prince Sabina, Mahaboobkhan Rasool, Lazar Mathew, Panneerselvam Ezilrani, Haridas Indu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gout](#) : CK(135) : AC(32), [Hyperuricemia](#) : CK(227) : AC(49)

HIV Infections (AC 1) (CK 2)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: [16964717](#)

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cytomegalovirus Infections](#) : CK(99) : AC(37), [HIV Infections](#) : CK(849) : AC(260), [HSV-1](#) : CK(53) : AC(44)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

HSV-1 (AC 1) (CK 2)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: [16964717](#)

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cytomegalovirus Infections](#) : CK(99) : AC(37) , [HIV Infections](#) : CK(849) : AC(260) , [HSV-1](#) : CK(53) : AC(44)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Haemophilus influenzae (AC 1) (CK 1)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: [12630492](#)

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study

Additional Links

Substances : [Garcinia kola](#) : CK(23) : AC(4) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Haemophilus influenzae](#) : CK(44) : AC(8) , [Staphylococcus aureus infection](#) : CK(305) : AC(219) , [Streptococcus pyogenes](#) : CK(30) : AC(19) , [Upper Respiratory Infections](#) : CK(1224) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Hair Loss (AC 1) (CK 1)

A review of herbal preparations for the treatment of hair loss.

Pubmed Data : Arch Dermatol Res. 2019 Nov 3. Epub 2019 Nov 3. PMID: [31680216](#)

Article Published Date : Nov 02, 2019

Authors : Ana ZgoncŠkulj, Nina Poljšak, Nina Kočevr Glavač, Samo Kreft

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Ginseng](#) : CK(1848) : AC(806), [Ginseng \(Korean\)](#) : CK(337) : AC(100), [Pumpkin](#) : CK(147) : AC(34), [Red Clover](#) : CK(40) : AC(11), [Saw Palmetto](#) : CK(152) : AC(23)

Diseases : [Alopecia](#) : CK(146) : AC(32), [Hair Loss](#) : CK(101) : AC(26)

Helicobacter Pylori Infection (AC 2) (CK 12)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: [19570992](#)

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acid Reflux](#) : CK(298) : AC(43), [Gastroesophageal Reflux](#) : CK(299) : AC(44), [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821), [Proton Pump Inhibitor](#) : CK(36) : AC(13)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410), [Prevacid \(Lansoprazole\) Alternatives](#) : CK(6) : AC(3)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: [31380260](#)

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dyspepsia](#) : CK(254) : AC(29), [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821), [Gastroprotective](#) : CK(534) :

Hemodialysis (AC 1) (CK 10)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: [26475844](#)

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cardiovascular Disease: Prevention](#) : CK(3250) : AC(433) , [Hemodialysis](#) : CK(463) : AC(49) , [Triglycerides: Elevated](#) : CK(846) : AC(142)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Risk Reduction](#) : CK(11700) : AC(1273)

High Cholesterol (AC 2) (CK 20)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: [18813412](#)

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: High](#) : CK(1353) : AC(216) , [High Cholesterol](#) : CK(1774) : AC(271) , [Hypercholesterolemia](#) : CK(1851) : AC(317) , [Hyperlipidemia](#) : CK(1076) : AC(272)

The herbal remedies examined had significantly beneficial effects on cholesterol in T2D patients.

Pubmed Data : Rev Diabet Stud. 2014 Fall-Winter;11(3-4):258-66. Epub 2015 Feb 10. PMID: [26177486](#)

Article Published Date : Aug 31, 2014

Authors : Paria Azimi, Reza Ghiasvand, Awat Feizi, Mitra Hariri, Behnoud Abbasi

Study Type : Human Study

Additional Links

Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207), Saffron : CK(506) : AC(119)

Diseases : Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), High Cholesterol : CK(1774) : AC(271)

Pharmacological Actions : Anticholesteremic Agents : CK(2126) : AC(382)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

High Fat Diet (AC 1) (CK 2)

These results demonstrated that sustained activation of the PPAR δ pathway with GE attenuated diet-induced obesity and improved exercise endurance capacity.

Pubmed Data : J Nutr Biochem. 2015 May 28. Epub 2015 May 28. PMID: [26101135](#)

Article Published Date : May 27, 2015

Authors : Koichi Misawa, Kojiro Hashizume, Masaki Yamamoto, Yoshihiko Minegishi, Tadashi Hase, Akira Shimotoyodome

Study Type : Animal Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : High Fat Diet : CK(212) : AC(103), Obesity : CK(4406) : AC(1073)

Additional Keywords : Anti-Obesity Agents : CK(1519) : AC(430), Plant Extracts : CK(11762) : AC(4236)

High Fructose Diet (AC 1) (CK 2)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: [26915720](#)

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [High Fructose Diet](#) : CK(96) : AC(29) , [Nonalcoholic fatty liver disease \(NAFLD\)](#) : CK(1160) : AC(301)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Hepatoprotective](#) : CK(3182) : AC(1418)

Hydatidosis (AC 1) (CK 1)

Ginger has an important anti-hydatic effect in vitro.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):749-56. Epub 2016 Jun 29. PMID: [27569883](#)

Article Published Date : Jul 31, 2016

Authors : Manel Amri, Chafia Touil-Boukoffa

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Hydatidosis](#) : CK(1) : AC(1)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84) , [Immunomodulatory](#) : CK(2249) : AC(733)

Hypercholesterolemia (AC 2) (CK 12)

Adding ginger to daily diet of diabetic patients has useful

effects and may ameliorate diabetes complications.

Pubmed Data : Avicenna J Med Biotechnol. 2019 Jul-Sep;11(3):234-238. PMID: [31379996](#)

Article Published Date : Jun 30, 2019

Authors : Shirin Azizidoost, Zahra Nazeri, Asma Mohammadi, Ghorban Mohammadzadeh, Maryam Cheraghzadeh, Alireza Jafari, Alireza Kheirollah

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735) , [Hypercholesterolemia](#) : CK(1851) : AC(317)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: [18813412](#)

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: High](#) : CK(1353) : AC(216) , [High Cholesterol](#) : CK(1774) : AC(271) , [Hypercholesterolemia](#) : CK(1851) : AC(317) , [Hyperlipidemia](#) : CK(1076) : AC(272)

Hyperglycemia (AC 1) (CK 10)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : C-Reactive Protein (CRP) : CK(20) : AC(2), Diabetes: Glycation/A1C : CK(210) : AC(33), Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), Diabetes Mellitus: Type 2: Prevention : CK(981) : AC(133), Hyperglycemia : CK(967) : AC(262), Insulin Resistance : CK(2804) : AC(602)
Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841), Insulin Sensitizers : CK(707) : AC(139)

Hyperinsulinism (AC 1) (CK 2)

Ginger has a beneficial effect on fructose induced hyperlipidemia an dhyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: [16359128](#)

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Fructose-Induced Toxicity : CK(157) : AC(61), Hyperinsulinism : CK(251) : AC(56), Hyperlipidemia : CK(1076) : AC(272), Metabolic Syndrome X : CK(1548) : AC(275)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Hyperlipidemia (AC 8) (CK 24)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: [28479729](#)

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Alcohol Toxicity : CK(660) : AC(249), Hyperlipidemia : CK(1076) : AC(272)
Pharmacological Actions : Cardioprotective : CK(3412) : AC(1032), Hypolipidemic : CK(3189) : AC(707)
Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: [28125276](#)

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), Hyperlipidemia : CK(1076) : AC(272), Insulin Resistance : CK(2804) : AC(602)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger has a beneficial effect on fructose induced hyperlipidemia and hyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: [16359128](#)

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Fructose-Induced Toxicity : CK(157) : AC(61), Hyperinsulinism : CK(251) : AC(56), Hyperlipidemia : CK(1076) : AC(272), Metabolic Syndrome X : CK(1548) : AC(275)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: [15707757](#)

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: LDL/HDL ratio](#) : CK(484) : AC(61) , [Diabetes: Cardiovascular Illness](#) : CK(700) : AC(107), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has a significant lipid lowering effect compared to placebo.

Pubmed Data : Saudi Med J. 2008 Sep;29(9):1280-4. PMID: [18813412](#)

Article Published Date : Sep 01, 2008

Authors : Reza Alizadeh-Navaei, Fatemeh Roozbeh, Mehrdad Saravi, Mehdi Pouramir, Farzad Jalali, Ali A Moghadamnia

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: High](#) : CK(1353) : AC(216) , [High Cholesterol](#) : CK(1774) : AC(271) , [Hypercholesterolemia](#) : CK(1851) : AC(317) , [Hyperlipidemia](#) : CK(1076) : AC(272)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: [26642658](#)

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Green Tea](#) : CK(2720) : AC(822)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

In vitro antioxidant and in vivo lipid-lowering properties of Zingiber officinale crude aqueous extract.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:9734390. Epub 2019 Jul 9. PMID: [31360211](#)

Article Published Date : Dec 31, 2018

Authors : Oussama Bekkouch, Mohamed Harnafi, Ilham Touiss, Saloua Khatib, Hicham Harnafi, Chakib Alem, Souliman Amrani

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)
Diseases : [Hyperlipidemia](#) : CK(1076) : AC(272)
Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)
Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: [25558849](#)

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cardiac Hypertrophy](#) : CK(52) : AC(30), [Hyperlipidemia](#) : CK(1076) : AC(272), [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032)

Hypersensitivity: Respiratory (AC 1) (CK 1)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: [25840633](#)

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25), [Allergies](#) : CK(1076) : AC(205), [Hypersensitivity: Respiratory](#) : CK(11) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Enzyme Inhibitors](#) : CK(602) : AC(312), [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Hypertension (AC 5) (CK 9)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Aging : CK(2716) : AC(676), Alzheimer's Disease : CK(2442) : AC(871), Hypertension : CK(4573) : AC(670), Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Neuroprotective Agents : CK(6374) : AC(2801)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: [14980006](#)

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhiani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes Mellitus: Type 1: Prevention : CK(255) : AC(50), Hypertension : CK(4573) : AC(670)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841), Insulin-releasing : CK(62) : AC(28)

Additional Keywords : Phytotherapy : CK(2309) : AC(597)

Problem Substances : Insulin : CK(149) : AC(23)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: [27002391](#)

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Hypertension](#) : CK(4573) : AC(670) , [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-10 downregulation](#) : CK(284) : AC(103) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Ginger lowers blood pressure through blockade of voltage-dependent calcium channels.

Pubmed Data : J Cardiovasc Pharmacol. 2005 Jan;45(1):74-80. PMID: [15613983](#)

Article Published Date : Jan 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Hypertension](#) : CK(4573) : AC(670)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(2852) : AC(424) , [Calcium Channel Blockers](#) : CK(87) : AC(23)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Supplementation with turmeric or ginger modulated the hydrolysis of ATP, ADP and AMP.

Pubmed Data : Phytother Res. 2016 May 6. Epub 2016 May 6. PMID: [27151061](#)

Article Published Date : May 05, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Hypertension](#) : CK(4573) : AC(670)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(2852) : AC(424)

Hyperuricemia (AC 1) (CK 2)

6-Shogaol, a compound found within ginger, exerts a strong anti-inflammatory activity against urate crystal-induced inflammation in mice.

Pubmed Data : Methods Find Exp Clin Pharmacol. 2010 Sep;32(7):467-73. PMID: [19819286](#)

Article Published Date : Sep 01, 2010

Authors : Evan Prince Sabina, Mahaboobkhan Rasool, Lazar Mathew, Panneerselvam Ezilrani, Haridas Indu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gout](#) : CK(135) : AC(32), [Hyperuricemia](#) : CK(227) : AC(49)

Hypoglycemia (AC 1) (CK 1)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: [28902458](#)

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study

Additional Links

Substances : [Carvacrol](#) : CK(67) : AC(9), [Chrysin](#) : CK(147) : AC(93), [Citrus naringin](#) : CK(17) : AC(12), [Ginger](#) : CK(775) : AC(207), [Hesperidin](#) : CK(375) : AC(148), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Hypoglycemia](#) : CK(189) : AC(30)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19), [Alpha-glucosidase inhibitor](#) : CK(162) : AC(111), [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Indigestion: Fats (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: [21918995](#)

Article Published Date : Sep 14, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study

Additional Links

Substances : Capsaicin : CK(141) : AC(57), Ginger : CK(775) : AC(207), Piperine : CK(225) : AC(109)

Diseases : Fat Malabsorption : CK(2) : AC(1), Indigestion: Fats : CK(2) : AC(1), Steatorrhea : CK(12) : AC(3)

Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(12) : AC(2)

Infection: Antibiotic Resistant (AC 1) (CK 1)

Antibacterial effect of Allium sativum cloves and Zingiber officinale rhizomes against multiple-drug resistant clinical pathogens.

Pubmed Data : Asian Pac J Trop Biomed. 2012 Aug ;2(8):597-601. PMID: [23569978](#)

Article Published Date : Aug 01, 2012

Authors : Ponmurugan Karuppiah, Shyamkumar Rajaram

Study Type : Bacterial

Additional Links

Substances : Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207)

Diseases : Bacterial Infections: Resistance/Biofilm Formation : CK(383) : AC(162), Infection: Antibiotic Resistant : CK(529) : AC(223)

Infertility: Female (AC 1) (CK 2)

Ginger might improve female fertility.

Pubmed Data : J Chin Med Assoc. 2018 Aug 7. Epub 2018 Aug 7. PMID: [30093285](#)

Article Published Date : Aug 06, 2018

Authors : Nafiye Yılmaz, Banu Seven, Hakan Timur, Ayçağ Yorgancı, Hasan Ali İnal, Müberra Namlı Kalem, Ziya Kalem, Özge Han, Banu Bilezikçi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Infertility: Female](#) : CK(281) : AC(51)

Pharmacological Actions : [Fertility Agents: Female](#) : CK(10) : AC(1)

Inflammation (AC 22) (CK 54)

6-Gingerol, a compound found within ginger, inhibits inflammation.

Pubmed Data : Biochem Biophys Res Commun. 2009 Apr 24;382(1):134-9. Epub 2009 Mar 4. PMID: [19268427](#)

Article Published Date : Apr 24, 2009

Authors : Tzung-Yan Lee, Ko-Chen Lee, Shih-Yuan Chen, Hen-Hong Chang

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Inflammation](#) : CK(6531) : AC(1986) , [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Cardiac delayed repolarisation and atrioventricular conduction in rats with diabetes were halted by zingerone.

Pubmed Data : PLoS One. 2017 ;12(12):e0189074. Epub 2017 Dec 5. PMID: [29206854](#)

Article Published Date : Dec 31, 2016

Authors : Hany M El-Bassossy, Wafaa S Al-Thubiani, Ahmed A Elberry, Mohammad I Mujallid, Salah A Ghareib, Ahmad S Azhar, Zainy M Banjar, Malcolm L Watson

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: [31590464](#)

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Ginger and cinnamon intake have positive effects on

inflammation and muscle soreness endured by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: [23717759](#)

Article Published Date : Apr 01, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986), Muscle Soreness: Exercise-Induced : CK(174) : AC(19)

Pharmacological Actions : Analgesics : CK(2569) : AC(470), Anti-Inflammatory Agents : CK(12461) : AC(4729)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: [27002391](#)

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Hypertension : CK(4573) : AC(670), Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: [30844477](#)

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986), Rheumatoid Arthritis : CK(1140) : AC(209)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), NF-kappaB Inhibitor :

CK(2446) : AC(1436)

Additional Keywords : Gene Expression Regulation : CK(431) : AC(214) , Phytotherapy : CK(2309) : AC(597), Plant Extracts : CK(11762) : AC(4236)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: [30362875](#)

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986) , Obesity : CK(4406) : AC(1073)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Hypolipidemic : CK(3189) : AC(707)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halilİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1) , Inflammation : CK(6531) : AC(1986) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932) , Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Interleukin-1 beta downregulation : CK(1743) : AC(868) , Interleukin-6 Downregulation : CK(3054) : AC(1144) , Malondialdehyde Down-regulation : CK(1452) : AC(466) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Phytotherapy : CK(2309) : AC(597) , Plant Extracts : CK(11762) : AC(4236)

Ginger has broad anti-inflammatory actions.

Pubmed Data : J Med Food. 2005 Summer;8(2):125-32. PMID: [16117603](#)

Article Published Date : Jun 01, 2005

Authors : Reinhard Grzanna, Lars Lindmark, Carmelita G Frondoza

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Ginger inhibits micoglia cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53), [Brain Inflammation](#) : CK(686) : AC(352), [Inflammation](#) : CK(6531) : AC(1986), [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650), [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196), [Prostaglandin Antagonists](#) : CK(27) : AC(13)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: [29253614](#)

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Postaglandin PGE2 downregulation](#) : CK(23) : AC(11), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Aging : CK(2716) : AC(676) , Cancers: All : CK(22165) : AC(7896) , Cardiovascular Diseases : CK(10121) : AC(1456) , Dementia : CK(1221) : AC(196) , Inflammation : CK(6531) : AC(1986) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , NF-kappaB Inhibitor : CK(2446) : AC(1436)

Natural herbs are safe, effective and better options as anti-inflammatory agents than synthetic ones.

Pubmed Data : Recent Pat Inflamm Allergy Drug Discov. 2018 Jan 15. Epub 2018 Jan 15. PMID: [29336271](#)

Article Published Date : Jan 14, 2018

Authors : Mohd Iqbal Yatoo, Arumugam Gopalakrishnan, Archana Saxena, Oveas Rafiq Parray, Noore Alam Tufani, Sandip Chakraborty, Ruchi Tiwari, Kuldeep Dhama, Hafiz M N Iqbal

Study Type : Review

Additional Links

Substances : Blueberry : CK(512) : AC(174) , Cat's Claw : CK(58) : AC(25) , Ginger : CK(775) : AC(207) , Nettle : CK(216) : AC(89) , Olive : CK(842) : AC(291) , Turmeric : CK(5994) : AC(2727)

Diseases : Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729)

Nutraceuticals derived from such spices as turmeric, red pepper, black pepper, licorice, clove, ginger, garlic, coriander, and cinnamon target inflammatory pathways, thereby preventing neurodegenerative diseases.

Pubmed Data : Mol Neurobiol. 2011 Oct ;44(2):142-59. Epub 2011 Mar 1. PMID: [21360003](#)

Article Published Date : Oct 01, 2011

Authors : Ramaswamy Kannappan, Subash Chandra Gupta, Ji Hye Kim, Simone Reuter, Bharat Bhushan Aggarwal

Study Type : Review

Additional Links

Substances : Black Pepper : CK(366) : AC(155) , Cinnamon : CK(309) : AC(119) , Clove : CK(107) : AC(57) , Coriander : CK(4) : AC(4) , Garlic : CK(1099) : AC(367) , Ginger : CK(775) : AC(207) , Licorice : CK(427) : AC(139) , Red Pepper : CK(4) : AC(3)

Diseases : Inflammation : CK(6531) : AC(1986) , Neurodegenerative Diseases : CK(6185) : AC(1785)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Red ginger oil has antihyperalgesia activity in mice with

chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: [31608888](#)

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyaningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Neuropathic Pain](#) : CK(528) : AC(145)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: [25889965](#)

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Honey](#) : CK(784) : AC(188)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742), [Colorectal Cancer](#) : CK(2874) : AC(1192), [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214), [Natural Substance Synergy](#) : CK(844) : AC(392)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: [26073629](#)

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : Inflammation : CK(6531) : AC(1986), Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), NF-kappaB Inhibitor : CK(2446) : AC(1436)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986), Metabolic Syndrome X : CK(1548) : AC(275), Obesity : CK(4406) : AC(1073)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841), Hypolipidemic : CK(3189) : AC(707)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Zingerone could be a potential therapeutic agent for treatment of various severe vascular inflammatory diseases.

Pubmed Data : Arch Pharm Res. 2018 Mar ;41(3):276-287. Epub 2017 May 16. PMID: [28508944](#)

Article Published Date : Feb 28, 2018

Authors : Gahee Min, Sae-Kwang Ku, Taeho Lee, Jong-Sup Bae

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Inflammation : CK(6531) : AC(1986), Sepsis : CK(473) : AC(147)

Pharmacological Actions : Cytoprotective : CK(190) : AC(94)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Inflammation : CK(6531) : AC(1986) , Ultraviolet Radiation Induced Damage : CK(100) : AC(44)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-1 beta downregulation : CK(1743) : AC(868) , Interleukin-6 Downregulation : CK(3054) : AC(1144) , Photoprotective : CK(74) : AC(27) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: [25184525](#)

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Antibiotic Toxicity : CK(63) : AC(16) , Endotoxemia : CK(83) : AC(43) , Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Hepatoprotective : CK(3182) : AC(1418)

Problem Substances : Antibiotics : CK(576) : AC(102)

Inflammatory Bowel Diseases (AC 1) (CK 2)

These findings suggested that *Angelica sinensis* and *Zingiber officinale* may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: [31387229](#)

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study

Additional Links

Substances : Angelica : CK(94) : AC(33) , Ginger : CK(775) : AC(207)

Diseases : Colitis : CK(565) : AC(262) , Inflammatory Bowel Diseases : CK(1505) : AC(367)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Insulin Resistance (AC 6) (CK 28)

"6]-Gingerol isolated from ginger attenuates sodium arsenite induced oxidative stress and plays a corrective role in improving insulin signaling in mice."

Pubmed Data : Toxicol Lett. 2012 Jan 10 ;210(1):34-43. Epub 2012 Jan 10. PMID: [22285432](#)

Article Published Date : Jan 10, 2012

Authors : Debrup Chakraborty, Avinaba Mukherjee, Sourav Sikdar, Avijit Paul, Samrat Ghosh, Anisur Rahman Khuda-Bukhsh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein \(CRP\)](#) : CK(20) : AC(2), [Diabetes: Glycation/A1C](#) : CK(210) : AC(33), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133), [Hyperglycemia](#) : CK(967) : AC(262), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139)

Dietary ginger has hypoglycaemic effect, enhances insulin

synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Insulin Resistance](#) : CK(2804) : AC(602), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139), [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: [28125276](#)

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Hyperlipidemia](#) : CK(1076) : AC(272), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has a beneficial effect on insulin resistance associated with fructose consumption.

Pubmed Data : Planta Med. 2012 Jan 10. Epub 2012 Jan 10. PMID: [22234408](#)

Article Published Date : Jan 10, 2012

Authors : Chia Ju Chang, Thing-Fong Tzeng, Yuan-Shiun Chang, I-Min Liu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

Problem Substances : [Fructose](#) : CK(361) : AC(106)

Ginger has a beneficial effect on type 2 diabetics.

Pubmed Data : Int J Food Sci Nutr. 2013 Mar 18. Epub 2013 Mar 18. PMID: [23496212](#)

Article Published Date : Mar 17, 2013

Authors : Sepide Mahluji, Vahide Ebrahimzade Attari, Majid Mobasseri, Laleh Payahoo, Alireza Ostadrahimi, Samad Ej Golzari

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

Irritable Bowel Syndrome (AC 1) (CK 2)

Zingerone produced marked improvement in stress induced irritable bowel disorder

Pubmed Data : Phytomedicine. 2014 Mar 15 ;21(4):423-9. Epub 2013 Nov 18. PMID: [24262066](#)

Article Published Date : Mar 14, 2014

Authors : David Banji, Otilia J F Banji, Bandlapalli Pavani, Ch Kranthi Kumar, A R Annamalai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Irritable Bowel Syndrome](#) : CK(720) : AC(93) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Kidney Damage (AC 1) (CK 2)

Ginger has a protective effect against kidney damage associated with diabetes.

Pubmed Data : Chin J Physiol. 2011 Apr 30 ;54(2):79-86. PMID: [21789888](#)

Article Published Date : Apr 30, 2011

Authors : Shanmugam Kondeti Ramudu, Mallikarjuna Korivi, Nishanth Kesireddy, Li-Chen Lee, I-Shiung Cheng, Chia-Hua Kuo, Sathyavelu Reddy Kesireddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Kidney Function](#) : CK(79) : AC(24), [Kidney Damage](#) : CK(193) : AC(64)

Pharmacological Actions : [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Kidney Damage: Chemically-Induced (AC 5) (CK 9)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: [25816415](#)

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zinc](#) : CK(1067) : AC(165)

Diseases : [Chemical Exposure](#) : CK(67) : AC(21), [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504), [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418), [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : [Malathion Toxicity](#) : CK(2) : AC(1), [Zinc Chloride](#) : CK(2) : AC(1)

Ginger extracts could have a potent protective effects against nephrotoxicity induced by various toxicants.

Pubmed Data : Saudi J Biol Sci. 2019 Feb ;26(2):382-389. Epub 2017 Aug 18. PMID: [31485182](#)

Article Published Date : Jan 31, 2019

Authors : Sami A Gabr, Ahmad H Alghadir, Gehan A Ghoniem

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Kidney Damage: Chemically-Induced : CK\(25\) : AC\(13\)](#)

Pharmacological Actions : [Antioxidants : CK\(14410\) : AC\(5758\)](#) , [Renoprotective : CK\(1308\) : AC\(593\)](#)

Problem Substances : [Cadmium : CK\(132\) : AC\(26\)](#)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : [J Oleo Sci. 2018 ;67\(10\):1339-1345. PMID: 30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Turmeric : CK\(5994\) : AC\(2727\)](#)

Diseases : [Kidney Damage: Chemically-Induced : CK\(25\) : AC\(13\)](#)

Pharmacological Actions : [Adenosine deaminase inhibitor : CK\(16\) : AC\(5\)](#) , [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#) , [Interleukin-10 downregulation : CK\(284\) : AC\(103\)](#) , [Interleukin-6 Downregulation : CK\(3054\) : AC\(1144\)](#) , [Renoprotective : CK\(1308\) : AC\(593\)](#) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor : CK\(4357\) : AC\(1763\)](#)

Additional Keywords : [Essential Oils : CK\(181\) : AC\(69\)](#)

Problem Substances : [Cadmium : CK\(132\) : AC\(26\)](#)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : [Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: 26698392](#)

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Polyphenols : CK\(1353\) : AC\(489\)](#)

Diseases : [Kidney Damage: Chemically-Induced : CK\(25\) : AC\(13\)](#) , [Lipopolysaccharide-Induced Toxicity : CK\(1105\) : AC\(650\)](#)

Pharmacological Actions : [Interleukin-1 beta downregulation : CK\(1743\) : AC\(868\)](#) , [Interleukin-6 Downregulation : CK\(3054\) : AC\(1144\)](#) , [NF-kappaB Inhibitor : CK\(2446\) : AC\(1436\)](#) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor : CK\(4357\) : AC\(1763\)](#)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : [Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: 29636837](#)

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Renoprotective](#) : CK(1308) : AC(593) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Kidney Failure (AC 1) (CK 2)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: [22017619](#)

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study

Additional Links

Substances : [Arabic gum](#) : CK(14) : AC(3) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Kidney Failure](#) : CK(321) : AC(45) , [Kidney Failure: Acute](#) : CK(61) : AC(13) , [Kidney Failure: Chronic](#) : CK(148) : AC(21)

Pharmacological Actions : [Renoprotective](#) : CK(1308) : AC(593)

Kidney Failure: Acute (AC 1) (CK 2)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: [22017619](#)

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study

Additional Links

Substances : Arabic gum : CK(14) : AC(3), Ginger : CK(775) : AC(207)

Diseases : Kidney Failure : CK(321) : AC(45), Kidney Failure: Acute : CK(61) : AC(13), Kidney Failure: Chronic : CK(148) : AC(21)

Pharmacological Actions : Renoprotective : CK(1308) : AC(593)

Kidney Failure: Chronic (AC 1) (CK 2)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: [22017619](#)

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study

Additional Links

Substances : Arabic gum : CK(14) : AC(3), Ginger : CK(775) : AC(207)

Diseases : Kidney Failure : CK(321) : AC(45), Kidney Failure: Acute : CK(61) : AC(13), Kidney Failure: Chronic : CK(148) : AC(21)

Pharmacological Actions : Renoprotective : CK(1308) : AC(593)

Lead Poisoning (AC 1) (CK 2)

Neuromodulatory effects of ethyl acetate fraction of Zingiber officinale Roscoe extract in rats with lead-induced oxidative stress.

Pubmed Data : J Integr Med. 2019 Jan 5. Epub 2019 Jan 5. PMID: [30660591](#)

Article Published Date : Jan 04, 2019

Authors : Mary Abiola Okesola, Basiru Olaitan Ajiboye, Babatunji Emmanuel Oyinloye, Oluwafemi Adeleke Ojo

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Lead Poisoning](#) : CK(318) : AC(115)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Problem Substances : [Lead](#) : CK(167) : AC(32)

Leptin: Elevated Levels (AC 1) (CK 2)

Clove and fermented ginger supplementation possesses anti-diabetic properties and may help in the control of hyperleptinaemia in type 2 diabetes.

Pubmed Data : Niger J Physiol Sci. 2018 Jun 30 ;33(1):89-93. Epub 2018 Jun 30. PMID: [30091738](#)

Article Published Date : Jun 29, 2018

Authors : A Abdulrazak, Y Tanko, A Mohammed, K A Mohammed, N M Sada, A Au Dikko

Study Type : Animal Study

Additional Links

Substances : [Clove](#) : CK(107) : AC(57) , [Fermented Foods and Beverages](#) : CK(1673) : AC(386) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Leptin: Elevated Levels](#) : CK(24) : AC(12)

Pharmacological Actions : [Leptin Down-Regulation](#) : CK(13) : AC(3)

Lipid Peroxidation (AC 3) (CK 6)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: [26667466](#)

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Chemically-Induced Liver Damage : CK(1157) : AC(504) , Lipid Peroxidation : CK(1178) : AC(476), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758), Hepatoprotective : CK(3182) : AC(1418)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Alcohol Toxicity : CK(660) : AC(249), Lipid Peroxidation : CK(1178) : AC(476)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645) , Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: [25271244](#)

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Lipid Peroxidation : CK(1178) : AC(476) , Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758) , Cardioprotective : CK(3412) : AC(1032)

Problem Substances : Isoproterenol : CK(1) : AC(1)

Lipopolysaccharide-Induced Toxicity (AC 5) (CK 9)

Ginger inhibits microglial cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53) , [Brain Inflammation](#) : CK(686) : AC(352) , [Inflammation](#) : CK(6531) : AC(1986) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Nitric Oxide Inhibitor](#) : CK(390) : AC(196) , [Prostaglandin Antagonists](#) : CK(27) : AC(13)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: [26073629](#)

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: [26698392](#)

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13) , [Lipopolysaccharide-Induced](#)

Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(1743) : AC(868) , Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: [24412620](#)

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650) , Lung Injury: Acute : CK(34) : AC(17)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone protects against lipopolysaccharide induced liver damage.

Pubmed Data : Chem Biol Interact. 2018 Feb 1 ;281:106-110. Epub 2017 Dec 28. PMID: [29289488](#)

Article Published Date : Jan 31, 2018

Authors : Wonhwa Lee, Mi-Hye Hwang, Yuri Lee, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Chemically-Induced Liver Damage : CK(1157) : AC(504) , Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

Listeria Infections (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural

antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28), Black Pepper : CK(366) : AC(155), Coriander : CK(4) : AC(4), Cumin : CK(55) : AC(32), Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Mustard Oil : CK(3) : AC(3), Onions : CK(2) : AC(2), Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12), Escherichia coli Infections : CK(279) : AC(188), Listeria Infections : CK(30) : AC(24), Micrococcus luteus infections : CK(3) : AC(3), Salmonella Infections : CK(57) : AC(35), Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821), Antimicrobial : CK(776) : AC(352), Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69), Natural Substance Synergy : CK(844) : AC(392)

Liver Cancer (AC 3) (CK 3)

A novel zingerone derivative and zingerone synergistically suppresses hepatocellular carcinoma metastasis.

Pubmed Data : Bioorg Med Chem Lett. 2017 02 15 ;27(4):1081-1088. Epub 2016 Dec 20. PMID: [28110870](#)

Article Published Date : Jan 14, 2017

Authors : Young-Joo Kim, Youngsic Jeon, Taejung Kim, Won-Chul Lim, Jungyeob Ham, Young Nyun Park, Tae-Jin Kim, Hyeonseok Ko

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Cancer Metastasis : CK(649) : AC(332), Liver Cancer : CK(1953) : AC(852)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: [30414900](#)

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer](#) : CK(1953) : AC(852)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

Additional Keywords : [Polysaccharides](#) : CK(5) : AC(3)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: [26978396](#)

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review

Additional Links

Substances : [Asparagus](#) : CK(15) : AC(12), [Beans: All](#) : CK(97) : AC(26), [Black Currant](#) : CK(162) : AC(31), [Cruciferous Vegetables](#) : CK(1521) : AC(521), [Ginger](#) : CK(775) : AC(207), [Grape](#) : CK(3266) : AC(910), [Plum](#) : CK(52) : AC(18), [Pomegranate](#) : CK(968) : AC(315), [Rice Bran](#) : CK(155) : AC(44), [Tomato](#) : CK(812) : AC(168), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Liver Cancer](#) : CK(1953) : AC(852)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Chemopreventive](#) : CK(4220) : AC(1326), [Immunomodulatory](#) : CK(2249) : AC(733)

Additional Keywords : [Natural Substance/Drug Synergy](#) : CK(352) : AC(142)

Liver Cancer: Prevention (AC 3) (CK 6)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: [19061005](#)

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan

Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antineoplastic Agents](#) : CK(1594) : AC(982), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

"Ginger ingredients inhibit the development of diethylnitrosoamine induced premalignant phenotype in rat chemical hepatocarcinogenesis model."

Pubmed Data : Biofactors. 2010 Nov-Dec;36(6):483-90. Epub 2010 Sep 24. PMID: [20872761](#)

Article Published Date : Nov 01, 2010

Authors : Mahmoud A Mansour, Saleh A Bekheet, Salim S Al-Rejaie, Othman A Al-Shabanah, Tawfeq A Al-Howiriny, Ammar C Al-Rikabi, Ayman A Abdo

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Chemopreventive](#) : CK(4220) : AC(1326)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger (Zingiber officinale) prevents ethionine induced rat hepatocarcinogenesis.

Pubmed Data : Afr J Tradit Complement Altern Med. 2008 ;6(1):87-93. Epub 2008 Oct 25. PMID: [20162046](#)

Article Published Date : Jan 01, 2008

Authors : Yasmin Anum Mohd Yusof, Norliza Ahmad, Srijit Das, Suhaniza Sulaiman, Nor Azian Murad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Chemopreventive](#) : CK(4220) : AC(1326)

Liver Damage (AC 1) (CK 2)

Ginger can have beneficial effects on health complications associated with unhealthy diet.

Pubmed Data : An Acad Bras Cienc. 2019 ;91(4):e20180975. Epub 2019 Nov 11. PMID: [31721920](#)

Article Published Date : Dec 31, 2018

Authors : Dalila T Leal, Gleide G Fontes, Julia K D Villa, Rodrigo B Freitas, Mateus G Campos, Camilo A Carvalho, Virginia R Pizzolo, Marisa A N Diaz

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Damage](#) : CK(1644) : AC(708)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418)

Anti Therapeutic Actions : [Western Diet](#) : CK(315) : AC(85)

Liver Damage: Aflatoxin-Induced (AC 1) (CK 2)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: [28475920](#)

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Liver Damage: Aflatoxin-Induced](#) : CK(35) : AC(15)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 inducer](#) : CK(8) : AC(5), [Hepatoprotective](#) : CK(3182) : AC(1418), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Aflatoxin](#) : CK(56) : AC(8)

Liver Disease: Oxidative Stress (AC 1) (CK 1)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Inflammation](#) : CK(6531) : AC(1986) , [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758) , [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846) , [Gastrointestinal Agents](#) : CK(268) : AC(41)

Liver Fibrosis (AC 1) (CK 2)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: [21689445](#)

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : ALT: Elevated : CK(70) : AC(11) , AST: Elevated : CK(46) : AC(6) , Liver Fibrosis : CK(383) : AC(172)

Pharmacological Actions : Glutathione Upregulation : CK(152) : AC(53), Malonaldehyde (MDA) Down-Regulation : CK(20) : AC(6), Renoprotective : CK(1308) : AC(593), Superoxide Dismutase Up-regulation : CK(1039) : AC(415)

Liver Steatosis (AC 1) (CK 2)

Steamed ginger can decrease plasma total cholesterol and triglyceride and can inhibit liver steatosis by regulating the expressions of hepatic genes.

Pubmed Data : Nutr Res Pract. 2018 Dec ;12(6):503-511. Epub 2018 Nov 30. PMID: [30515278](#)

Article Published Date : Nov 30, 2018

Authors : Hee-Jeong Kim, Bohkyung Kim, Eun-Gyung Mun, Soon-Yeon Jeong, Youn-Soo Cha

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Liver Steatosis : CK(25) : AC(4)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

Additional Keywords : Gene Expression Regulation : CK(431) : AC(214)

Liver Stress: Fructose-Induced (AC 1) (CK 2)

Treatment with ginger ameliorates fructose-induced Fatty liver and hypertriglyceridemia in rats.

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:570948. Epub 2012 Nov 6. PMID: [23193424](#)

Article Published Date : Jan 01, 2012

Authors : Huanqing Gao, Tao Guan, Chunli Li, Guowei Zuo, Johji Yamahara, Jianwei Wang, Yuhao Li

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fructose-Induced Toxicity](#) : CK(157) : AC(61), [Liver Stress: Fructose-Induced](#) : CK(25) : AC(13)

Problem Substances : [Fructose](#) : CK(361) : AC(106)

Lung Cancer (AC 3) (CK 4)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: [19003968](#)

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742), [Lung Cancer](#) : CK(1741) : AC(742)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Ginger exhibits anti-lung cancer properties.

Pubmed Data : J Med Food. 2010 Dec;13(6):1347-54. PMID: [21091248](#)

Article Published Date : Dec 01, 2010

Authors : Wirote Tuntiwechapikul, Thanachai Taka, Chonnipa Songsomboon, Navakoon Kaewtunjai, Arisa Imsumran, Luksana Makonkawkeyoon, Wilart Pompimon, T Randall Lee

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Lung Cancer](#) : CK(1741) : AC(742)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Telomerase Inhibitor](#) : CK(55) : AC(35)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Metabolites of [6]-shogoal can account for the bioactivity

of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: [23382939](#)

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Colon Cancer : CK(1217) : AC(742) , Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Antiproliferative : CK(4773) : AC(3450) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Metabolites : CK(64) : AC(20)

Lung Injury: Acute (AC 1) (CK 2)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: [24412620](#)

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650) , Lung Injury: Acute : CK(34) : AC(17)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-6 Downregulation : CK(3054) : AC(1144) , NF-kappaB Inhibitor : CK(2446) : AC(1436) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Lymphoma: Dalton's (AC 1) (CK 1)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: [27435276](#)

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Lymphoma: Dalton's](#) : CK(3) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Malabsorption Syndrome (AC 1) (CK 2)

Dietary spices have a beneficial effect on intestinal villi by increasing the absorptive surface of the small intestine, providing for an increased bioavailability of micronutrients.

Pubmed Data : Br J Nutr. 2010 Feb 24;1-9. Epub 2010 Feb 24. PMID: [20178671](#)

Article Published Date : Feb 24, 2010

Authors : Usha N S Prakash, Krishnapura Srinivasan

Study Type : Animal Study

Additional Links

Substances : [Black Pepper](#) : CK(366) : AC(155), [Capsaicin](#) : CK(141) : AC(57), [Ginger](#) : CK(775) : AC(207), [Piperine](#) : CK(225) : AC(109), [Red Pepper](#) : CK(4) : AC(3)

Diseases : [Malabsorption Syndrome](#) : CK(54) : AC(15), [Microvilli atrophy](#) : CK(4) : AC(2)

Additional Keywords : [Nutrient Absorption](#) : CK(4) : AC(2)

Malignant Melanoma (AC 1) (CK 1)

Curcuma rhizome, a main representant of Zingiberaceae family may be a promising natural source for active compounds against malignant melanoma.

Pubmed Data : Biol Res. 2015 Jan 12 ;48(1):1. Epub 2015 Jan 12. PMID: [25654588](#)

Article Published Date : Jan 11, 2015

Authors : Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hancianu, Dorina E Coricovac, Sorina A Ciurlea, Codruța M Șoica, Iosif Marincu, Vicentiu Vlaia, Cristina A Dehelean, Cristina Trandafirescu

Study Type : In Vitro Study

Additional Links

Substances : [Curcuma Longa](#) : CK(5) : AC(4) , [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Malignant Melanoma](#) : CK(34) : AC(16)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Melanoma (AC 1) (CK 1)

A compound found within ginger inhibits melanoma cells.

Pubmed Data : Biosci Biotechnol Biochem. 2011 ;75(6):1067-72. Epub 2011 Jun 13. PMID: [21670536](#)

Article Published Date : Jan 01, 2011

Authors : Huey-Chun Huang, Shao-Hua Chiu, Tsong-Min Chang

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Melanoma](#) : CK(584) : AC(306)

Memory Disorders (AC 1) (CK 2)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: [21197427](#)

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44) , [Cerebral Ischemia](#) : CK(443) : AC(192) , [Memory Disorders](#) : CK(666) : AC(218)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Menopausal Syndrome (AC 1) (CK 10)

The results of the study demonstrate that the Aphrodit capsule was effective in reducing menopausal symptoms.

Pubmed Data : Prz Menopauzalny. 2017 Mar ;16(1):19-22. Epub 2017 Apr 26. PMID: [28546803](#)

Article Published Date : Feb 28, 2017

Authors : Simin Taavoni, Neda Nazem Ekbatani, Hamid Haghani

Study Type : Human Study

Additional Links

Substances : [Cinnamon](#) : CK(309) : AC(119) , [Ginger](#) : CK(775) : AC(207) , [Saffron](#) : CK(506) : AC(119) , [Saffron](#) : CK(506) : AC(119)

Diseases : [Menopausal Syndrome](#) : CK(557) : AC(79)

Menorrhagia (AC 1) (CK 10)

Ginger is an effective supplement for heavy menstrual

bleeding.

Pubmed Data : Phytother Res. 2014 Oct 8. Epub 2014 Oct 8. PMID: [25298352](#)

Article Published Date : Oct 08, 2014

Authors : Farzaneh Kashefi, Marjan Khajehei, Mohammad Alavinia, Ebrahim Golmakani, Javad Asili

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bleeding: Excessive](#) : CK(12) : AC(2), [Menorrhagia](#) : CK(32) : AC(5), [Uterine Bleeding](#) : CK(20) : AC(2)

Mercury Poisoning (AC 1) (CK 2)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: [28494418](#)

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Mercury Poisoning](#) : CK(390) : AC(111)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418), [Renoprotective](#) : CK(1308) : AC(593)

Problem Substances : [Mercury](#) : CK(237) : AC(38)

Metabolic Syndrome X (AC 3) (CK 5)

Ginger has a beneficial effect on fructose induced hyperlipidemia an dhyperinsulinemia in rats.

Pubmed Data : Indian J Exp Biol. 2005 Dec;43(12):1161-4. PMID: [16359128](#)

Article Published Date : Dec 01, 2005

Authors : Sanjay V Kadnur, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fructose-Induced Toxicity](#) : CK(157) : AC(61), [Hyperinsulinism](#) : CK(251) : AC(56), [Hyperlipidemia](#) : CK(1076) : AC(272), [Metabolic Syndrome X](#) : CK(1548) : AC(275)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has a protective effect against the development of metabolic syndrome in high-fat diet-fed rats.

Pubmed Data : Basic Clin Pharmacol Toxicol. 2009 May;104(5):366-73. PMID: [19413656](#)

Article Published Date : May 01, 2009

Authors : Srinivas Nammi, Satyanarayana Sreemantula, Basil D Roufogalis

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Metabolic Syndrome X](#) : CK(1548) : AC(275)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Metabolic Syndrome X](#) : CK(1548) : AC(275), [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

(CK 1)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28) , Black Pepper : CK(366) : AC(155) , Coriander : CK(4) : AC(4) , Cumin : CK(55) : AC(32) , Garlic : CK(1099) : AC(367) , Ginger : CK(775) : AC(207) , Mustard Oil : CK(3) : AC(3) , Onions : CK(2) : AC(2) , Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12) , Escherichia coli Infections : CK(279) : AC(188) , Listeria Infections : CK(30) : AC(24) , Micrococcus luteus infections : CK(3) : AC(3) , Salmonella Infections : CK(57) : AC(35) , Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821) , Antimicrobial : CK(776) : AC(352) , Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69) , Natural Substance Synergy : CK(844) : AC(392)

Microvilli atrophy (AC 1) (CK 2)

Dietary spices have a beneficial effect on intestinal villi by increasing the absorptive surface of the small intestine, providing for an increased bioavailability of micronutrients.

Pubmed Data : Br J Nutr. 2010 Feb 24;114(2):1-9. Epub 2010 Feb 24. PMID: [20178671](#)

Article Published Date : Feb 24, 2010

Authors : Usha N S Prakash, Krishnapura Srinivasan

Study Type : Animal Study

Additional Links

Substances : Black Pepper : CK(366) : AC(155) , Capsaicin : CK(141) : AC(57) , Ginger : CK(775) : AC(207) , Piperine : CK(225) : AC(109) , Red Pepper : CK(4) : AC(3)

Diseases : Malabsorption Syndrome : CK(54) : AC(15) , Microvilli atrophy : CK(4) : AC(2)

Migraines (AC 1) (CK 10)

Ginger compares favorably to the drug sumatriptan for migraine headaches, but with lower side effects.

Pubmed Data : Phytother Res. 2013 May 9. Epub 2013 May 9. PMID: [23657930#](#)

Article Published Date : May 09, 2013

Authors : Maghbooli Mehdi, Golipour Farhad, Moghimi Esfandabadi Alireza, Yousefi Mehran

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Migraines](#) : CK(20) : AC(2)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Superiority of Natural Substances versus Drugs](#) : CK(1538) : AC(312)

Morning Sickness (AC 1) (CK 10)

Ginger syrup may be effective as an antiemetic in early pregnancy.

Pubmed Data : Altern Ther Health Med. 2002 Sep-Oct;8(5):89-91. PMID: [12233808](#)

Article Published Date : Sep 01, 2002

Authors : Angela Keating, Ronald A Chez

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Morning Sickness](#) : CK(51) : AC(6)

Morphine Tolerance/Dependence (AC 1) (CK 2)

Ginger (Zingiber officinale Roscoe) elicits antinociceptive properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test.

Pubmed Data : J Med Food. 2010 Dec ;13(6):1397-401. PMID: [21091253](#)

Article Published Date : Dec 01, 2010

Authors : Reza Sepahvand, Saeed Esmaeili-Mahani, Ardeshir Arzi, Bahram Rasouljan, Mehdi Abbasnejad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Morphine Tolerance/Dependence](#) : CK(89) : AC(34) , [Pain](#) : CK(975) : AC(161)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Drug Synergy](#) : CK(352) : AC(157) , [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Motion Sickness (AC 1) (CK 10)

Ginger has a therapeutic effect on motion sickness.

Pubmed Data : Nutr Cancer. 2007;58(1):60-5. PMID: [12576305](#)

Article Published Date : Jan 01, 2007

Authors : Han-Chung Lien, Wei Ming Sun, Yen-Hsueh Chen, Hyerang Kim, William Hasler, Chung Owyang

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Motion Sickness](#) : CK(10) : AC(1)

Pharmacological Actions : [Vasopressin Inhibitor](#) : CK(12) : AC(2)

Multiple Sclerosis (AC 2) (CK 3)

A review of herbal therapy in multiple sclerosis.

Pubmed Data : Adv Pharm Bull. 2018 Nov ;8(4):575-590. Epub 2018 Nov 29. PMID: [30607330](#)

Article Published Date : Oct 31, 2018

Authors : Sina Mojaverrostami, Maryam Nazm Bojnordi, Maryam Ghasemi-Kasman, Mohammad Ali Ebrahimzadeh, Hatef Ghasemi Hamidabadi

Study Type : Review

Additional Links

Substances : Cannabis : CK(3180) : AC(738), Cranberry : CK(455) : AC(92), Frankincense : CK(224) : AC(41), Ginger : CK(775) : AC(207), Ginkgo biloba : CK(936) : AC(218), Ginseng : CK(1848) : AC(806), Grape : CK(3266) : AC(910), Kava Kava : CK(230) : AC(40), Nigella sativa (aka Black Seed) : CK(934) : AC(279), Saffron : CK(506) : AC(119), St. Johns Wort : CK(296) : AC(88), Turmeric : CK(5994) : AC(2727), Valerian : CK(129) : AC(22)

Diseases : Multiple Sclerosis : CK(1438) : AC(288)

ginger extract modulates the expression of the IL-27 and IL-33 in the spinal cord of EAE mice and ameliorates the clinical symptoms of disease.

Pubmed Data : J Neuroimmunol. 2014 Nov 15 ;276(1-2):80-8. Epub 2014 Aug 19. PMID: [25175065](#)

Article Published Date : Nov 14, 2014

Authors : A Jafarzadeh, M Mohammadi-Kordkhayli, R Ahangar-Parvin, V Azizi, H Khoramdel-Azad, A Shamsizadeh, A Ayoobi, M Nemati, Z M Hassan, S M Moazeni, M Khaksari

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Encephalomyelitis : CK(24) : AC(15), Multiple Sclerosis : CK(1438) : AC(288)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236), Significant Treatment Outcome : CK(3038) : AC(366)

Muscle Damage (AC 1) (CK 10)

Ginger supplementation may be used to accelerate recovery of muscle strength following intense exercise

Pubmed Data : Phytother Res. 2015 Jun ;29(6):887-93. Epub 2015 Mar 18. PMID: [25787877](#)

Article Published Date : May 31, 2015

Authors : Melissa D Matsumura, Gerald S Zavorsky, James M Smoliga

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Muscle Damage](#) : CK(22) : AC(3), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Additional Keywords : [Supplementation](#) : CK(413) : AC(60)

Muscle Soreness (AC 3) (CK 21)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Inflammation](#) : CK(6531) : AC(1986), [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Ginger supplementation may be used to accelerate recovery of muscle strength following intense exercise

Pubmed Data : Phytother Res. 2015 Jun ;29(6):887-93. Epub 2015 Mar 18. PMID: [25787877](#)

Article Published Date : May 31, 2015

Authors : Melissa D Matsumura, Gerald S Zavorsky, James M Smoliga

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Muscle Damage](#) : CK(22) : AC(3) , [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Additional Keywords : [Supplementation](#) : CK(413) : AC(60)

Two grams of ginger may have anti-inflammation and analgesic effect on delayed onset muscle soreness.

Pubmed Data : Med J Islam Repub Iran. 2015 ;29:261. Epub 2015 Sep 12. PMID: [26793652](#)

Article Published Date : Dec 31, 2014

Authors : Khadijeh Hoseinzadeh, Farhad Daryanoosh, Parvin Javad Baghdasar, Hamid Alizadeh

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Muscle Soreness](#) : CK(86) : AC(12)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Muscle Soreness: Exercise-Induced (AC 1) (CK 10)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness endued by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: [23717759](#)

Article Published Date : Apr 01, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study

Additional Links

Substances : [Cinnamon](#) : CK(309) : AC(119) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Muscle Soreness: Exercise-Induced](#) : CK(174) : AC(19)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Mycobacterium Infections (AC 1) (CK 1)

Ginger essential oil and fractions against Mycobacterium spp.

Pubmed Data : J Ethnopharmacol. 2019 Jul 17;112095. Epub 2019 Jul 17. PMID: [31325601](#)

Article Published Date : Jul 16, 2019

Authors : Vanessa Pietrowski Baldin, Regiane Bertin de Lima Scodro, Carla Maria Mariano Fernandez, Andressa Lorena Ieque, Katiany Rizzieri Caleffi-Ferracioli, Vera Lucia Dias Siqueira, Aryadne Larissa de Almeida, José Eduardo Gonçalves, Diógenes Aparício Garcia Cortez, Rosilene Fressatti Cardoso

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Mycobacterium Infections](#) : CK(50) : AC(28)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Myelodysplastic Syndrome (AC 1) (CK 10)

6-shogaol caused a decrease in serum ferritin levels in 3 of 6 patients with early Myelodysplastic syndrome.

Pubmed Data : Clin Med Insights Blood Disord. 2017 ;10:1179545X17738755. Epub 2017 Nov 2. PMID: [29147080](#)

Article Published Date : Dec 31, 2016

Authors : Terry Golombick, Terrence H Diamond, Arumugam Manoharan, Rajeev Ramakrishna, Vladimir Badmaev

Study Type : Human Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207)

Diseases : Myelodysplastic Syndrome : CK(224) : AC(23)

Myocardial Infarction (AC 4) (CK 8)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: [27568839](#)

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-1 beta downregulation : CK(1743) : AC(868) , Interleukin-6 Downregulation : CK(3054) : AC(1144) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: [25558849](#)

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Cardiac Hypertrophy : CK(52) : AC(30) , Hyperlipidemia : CK(1076) : AC(272) , Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Cardioprotective : CK(3412) : AC(1032)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: [28982542](#)

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakshmanan Hemalatha

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Antioxidants](#) : CK(14410) : AC(5758) , [Cardioprotective](#) : CK(3412) : AC(1032)

Problem Substances : [Isoproterenol](#) : CK(1) : AC(1)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: [25271244](#)

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Lipid Peroxidation](#) : CK(1178) : AC(476) , [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Cardioprotective](#) : CK(3412) : AC(1032)

Problem Substances : [Isoproterenol](#) : CK(1) : AC(1)

Nausea (AC 2) (CK 20)

Ginger reduces the tendency to vomiting and cold sweating due to seasickness significantly better than placebo.

Pubmed Data : Acta Otolaryngol. 1988 Jan-Feb;105(1-2):45-9. PMID: [3277342](#)

Article Published Date : Jan 01, 1988

Authors : A Grøntved, T Brask, J Kambskard, E Hentzer

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Nausea](#) : CK(50) : AC(5) , [Nausea: Sea-Sickness](#) : CK(10) : AC(1)

Protein and ginger may have therapeutic value in the

treatment of chemotherapy-induced delayed nausea.

Pubmed Data : J Altern Complement Med. 2008 Jun;14(5):545-51. PMID: [18537470](#)

Article Published Date : Jun 01, 2008

Authors : Max E Levine, Marcum G Gillis, Sara Yanchis Koch, Anne C Voss, Robert M Stern, Kenneth L Koch

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Protein Supplement](#) : CK(65) : AC(8)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17) , [Nausea](#) : CK(50) : AC(5)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

Nausea: Chemotherapy-Induced (AC 4) (CK 50)

Adjuvant ginger supplementation is associated with better chemotherapy-induced nausea-related quality of life and less cancer-related fatigue.

Pubmed Data : Nutrients. 2017 Aug 12 ;9(8). Epub 2017 Aug 12. PMID: [28805667](#)

Article Published Date : Aug 11, 2017

Authors : Wolfgang Marx, Alexandra L McCarthy, Karin Ried, Dan McKavanagh, Luis Vitetta, Avni Sali, Anna Lohning, Elisabeth Isenring

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Fatigue: Cancer-Associated](#) : CK(55) : AC(7) , [Nausea: Chemotherapy-Induced](#) : CK(173) : AC(19)

Pharmacological Actions : [Antineoplastic Agents](#) : CK(1594) : AC(982)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger and chamomile were both significantly effective for reducing the frequency of vomiting.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(8):4125-9. PMID: [27644672](#)

Article Published Date : Dec 31, 2015

Authors : Fateme Sanaati, Safa Najafi, Zahra Kashaninia, Masoud Sadeghi

Study Type : Human Study

Additional Links

Substances : Chamomile : CK(182) : AC(30) , Ginger : CK(775) : AC(207)

Diseases : Breast Cancer : CK(5066) : AC(1738) , Nausea: Chemotherapy-Induced : CK(173) : AC(19)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger displayed significant efficacy with regard to controlling chemotherapy-induced nausea and vomiting in the experimental groups.

Pubmed Data : Cancer Nurs. 2018 Oct 6. Epub 2018 Oct 6. PMID: [30299420](#)

Article Published Date : Oct 05, 2018

Authors : Wen P Chang, Yu X Peng

Study Type : Meta Analysis

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Nausea: Chemotherapy-Induced : CK(173) : AC(19)

Ginger root powder is effective in reducing severity of acute and delayed chemotherapy-induced nausea and vomiting as additional therapy to ondansetron and dexamethasone in patients receiving chemotherapy.

Pubmed Data : Pediatr Blood Cancer. 2010 Sep 14. Epub 2010 Sep 14. PMID: [20842754](#)

Article Published Date : Sep 14, 2010

Authors : Anu Kochanujan Pillai, Kamlesh K Sharma, Yogendra K Gupta, Sameer Bakhshi

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity : CK(1640) : AC(624) , Nausea: Chemotherapy-Induced : CK(173) : AC(19)

Pharmacological Actions : Antiemetics : CK(40) : AC(4)

Nausea: Post-Operative (AC 4) (CK 50)

Aromatherapy can be used as an alternative or

complementary method for managing PONV.

Pubmed Data : Complement Ther Med. 2019 Feb ;42:417-421. Epub 2018 Dec 28. PMID: [30670276](#)

Article Published Date : Jan 31, 2019

Authors : Serkan Karaman, Tugba Karaman, Hakan Tapar, Serkan Dogru, Mustafa Suren

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Lavender](#) : CK(366) : AC(47) , [Rose](#) : CK(344) : AC(125)

Diseases : [Nausea: Post-Operative](#) : CK(51) : AC(6)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Aromatherapy demonstrated a statistically significant reduction in the need for antiemetics to treat postoperative nausea and vomiting.

Pubmed Data : J Perianesth Nurs. 2019 May 27. Epub 2019 May 27. PMID: [31147268](#)

Article Published Date : May 26, 2019

Authors : Maxine A Fearington, Brandon W Qualls, Mary G Carey

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Peppermint](#) : CK(333) : AC(53)

Diseases : [Nausea: Post-Operative](#) : CK(51) : AC(6)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Aromatherapy is promising as an inexpensive, noninvasive treatment for postoperative nausea that can be administered and controlled by patients as needed.

Pubmed Data : Anesth Analg. 2013 Sep ;117(3):597-604. Epub 2012 Mar 5. PMID: [22392970](#)

Article Published Date : Aug 31, 2013

Authors : Ronald Hunt, Jacqueline Dienemann, H James Norton, Wendy Hartley, Amanda Hudgens, Thomas Stern, George Divine

Study Type : Human Study

Additional Links

Substances : [Cardamom](#) : CK(42) : AC(11) , [Ginger](#) : CK(775) : AC(207) , [Peppermint](#) : CK(333) : AC(53) , [Spearment](#) : CK(58) : AC(10)

Diseases : [Nausea: Post-Operative](#) : CK(51) : AC(6)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Ginger is an alternative for the prevention of postoperative nausea and vomiting.

Pubmed Data : Phytomedicine. 2018 Nov 15 ;50:8-18. Epub 2018 Sep 5. PMID: [30466995](#)

Article Published Date : Nov 14, 2018

Authors : Barbara Tóth, Tamás Lantos, Péter Hegyi, Réka Viola, Andrea Vasas, Ria Benkő, Zoltán Gyöngyi, Áron Vincze, Péter Csécsei, Alexandra Mikó, Dávid Hegyi, Andrea Szentesi, Mária Matuz, Dezső Csupor

Study Type : Meta Analysis

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Nausea: Post-Operative](#) : CK(51) : AC(6)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

Nausea: Pregnancy-Associated (AC 1) (CK 10)

Ginger and Vitamin B6 are both effective in treating naseau and vomiting in pregnancy.

Pubmed Data : Midwifery. 2008 Feb 11. PMID: [18272271](#)

Article Published Date : Feb 11, 2008

Authors : Jenabi Ensiyeh, Mohammad-Alizadeh C Sakineh

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Vitamin B-6](#) : CK(665) : AC(84)

Diseases : [Nausea: Pregnancy-Associated](#) : CK(21) : AC(3)

Nausea: Sea-Sickness (AC 1) (CK 10)

Ginger reduces the tendency to vomiting and cold

sweating due to seasickness significantly better than placebo.

Pubmed Data : Acta Otolaryngol. 1988 Jan-Feb;105(1-2):45-9. PMID: [3277342](#)

Article Published Date : Jan 01, 1988

Authors : A Grøntved, T Brask, J Kambskard, E Hentzer

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Nausea](#) : CK(50) : AC(5), [Nausea: Sea-Sickness](#) : CK(10) : AC(1)

Necrotising enterocolitis (AC 1) (CK 2)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: [30005955](#)

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Necrotising enterocolitis](#) : CK(90) : AC(14)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Neurodegenerative Diseases (AC 4) (CK 6)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: [31057649](#)

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19) , [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Ginger inhibits microglial cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53) , [Brain Inflammation](#) : CK(686) : AC(352) , [Inflammation](#) : CK(6531) : AC(1986) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Nitric Oxide Inhibitor](#) : CK(390) : AC(196) , [Prostaglandin Antagonists](#) : CK(27) : AC(13)

Nutraceuticals derived from such spices as turmeric, red pepper, black pepper, licorice, clove, ginger, garlic, coriander, and cinnamon target inflammatory pathways, thereby preventing neurodegenerative diseases.

Pubmed Data : Mol Neurobiol. 2011 Oct ;44(2):142-59. Epub 2011 Mar 1. PMID: [21360003](#)

Article Published Date : Oct 01, 2011

Authors : Ramaswamy Kannappan, Subash Chandra Gupta, Ji Hye Kim, Simone Reuter, Bharat

Bhushan Aggarwal

Study Type : Review

Additional Links

Substances : Black Pepper : CK(366) : AC(155), Cinnamon : CK(309) : AC(119), Clove : CK(107) : AC(57), Coriander : CK(4) : AC(4), Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Licorice : CK(427) : AC(139), Red Pepper : CK(4) : AC(3)

Diseases : Inflammation : CK(6531) : AC(1986), Neurodegenerative Diseases : CK(6185) : AC(1785)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

The active ingredients in ginger have therapeutic potential in age-related neurological disorders.

Pubmed Data : Pharmacol Ther. 2018 Feb ;182:56-69. Epub 2017 Aug 24. PMID: [28842272](#)

Article Published Date : Jan 31, 2018

Authors : Jin Gyu Choi, Sun Yeou Kim, Minsun Jeong, Myung Sook Oh

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Neurodegenerative Diseases : CK(6185) : AC(1785)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)

Neurogenic Bladder (AC 1) (CK 10)

Ginger-salt moxibustion is therapeutic for poststroke urinary disorders.

Pubmed Data : Zhongguo Zhen Jiu. 2006 Sep;26(9):621-4. PMID: [17036477](#)

Article Published Date : Sep 01, 2006

Authors : Hui-lin Liu, Lin-peng Wang

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Neurogenic Bladder : CK(91) : AC(10), Stroke: PostStroke Urinary Disorders : CK(10) : AC(1)

Therapeutic Actions : Moxibustion : CK(274) : AC(28)

Neuropathic Pain (AC 1) (CK 2)

Red ginger oil has antihyperalgesia activity in mice with chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: [31608888](#)

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyaningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Neuropathic Pain](#) : CK(528) : AC(145)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Nonalcoholic fatty liver disease (NAFLD) (AC 2) (CK 4)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: [26915720](#)

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [High Fructose Diet](#) : CK(96) : AC(29), [Nonalcoholic fatty liver disease \(NAFLD\)](#) : CK(1160) : AC(301)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418)

Zingiber officinale extract and omega-3 fatty acids ameliorate endoplasmic reticulum stress in a nonalcoholic fatty liver rat model.

Pubmed Data : J Food Biochem. 2019 Oct 14:e13076. Epub 2019 Oct 14. PMID: [31608477](#)

Article Published Date : Oct 13, 2019

Authors : Mohamed A Kandeil, Reem M Hashem, Mohamed O Mahmoud, Mona H Hetta, Mohamed A Tohamy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Omega-3 Fatty Acids](#) : CK(4151) : AC(515)

Diseases : [Nonalcoholic fatty liver disease \(NAFLD\)](#) : CK(1160) : AC(301)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Obesity (AC 6) (CK 11)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: [30362875](#)

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Hypolipidemic](#) : CK(3189) : AC(707)

Ginger extract ameliorates obesity and inflammation.

Pubmed Data : Nutrients. 2018 Oct 23 ;10(11). Epub 2018 Oct 23. PMID: [30360535](#)

Article Published Date : Oct 22, 2018

Authors : Seunghae Kim, Mak-Soon Lee, Sunyoon Jung, Hye-Yeon Son, Seonyoung Park, Bori Kang, Seog-Young Kim, In-Hwan Kim, Chong-Tai Kim, Yangha Kim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [MicroRNA modulator](#) : CK(264) : AC(145)

Ginger has anti-obesogenic properties.

Pubmed Data : Mol Nutr Food Res. 2011 Sep ;55 Suppl 2:S203-13. Epub 2011 Aug 30. PMID: [21954187](#)

Article Published Date : Sep 01, 2011

Authors : John H Beattie, Fergus Nicol, Margaret-Jane Gordon, Martin D Reid, Louise Cantlay, Graham W Horgan, In-Sook Kwun, Ji-Yun Ahn, Tae-Youl Ha

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Obesity](#) : CK(4406) : AC(1073)

Gingerenone A may be used as a potential therapeutic candidate for the treatment of obesity and its complications.

Pubmed Data : Mol Nutr Food Res. 2017 May 28. Epub 2017 May 28. PMID: [28556482](#)

Article Published Date : May 27, 2017

Authors : Sujin Suk, Gyoo Taik Kwon, Eunjung Lee, Woo Jung Jang, Hee Yang, Jong Hun Kim, N R Thimmegowda, Min-Yu Chung, Jung Yeon Kwon, Seunghee Yang, Jason K Kim, Jung Han Yoon Park, Ki Won Lee

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Additional Keywords : [Anti-Obesity Agents](#) : CK(1519) : AC(430)

These results demonstrated that sustained activation of the PPAR δ pathway with GE attenuated diet-induced obesity and improved exercise endurance capacity.

Pubmed Data : J Nutr Biochem. 2015 May 28. Epub 2015 May 28. PMID: [26101135](#)

Article Published Date : May 27, 2015

Authors : Koichi Misawa, Kojiro Hashizume, Masaki Yamamoto, Yoshihiko Minegishi, Tadashi Hase, Akira Shimotoyodome

Study Type : Animal Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : High Fat Diet : CK(212) : AC(103) , Obesity : CK(4406) : AC(1073)

Additional Keywords : Anti-Obesity Agents : CK(1519) : AC(430) , Plant Extracts : CK(11762) : AC(4236)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986) , Metabolic Syndrome X : CK(1548) : AC(275) , Obesity : CK(4406) : AC(1073)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Hypoglycemic Agents : CK(3297) : AC(841) , Hypolipidemic : CK(3189) : AC(707)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Osteoarthritis (AC 1) (CK 2)

This finding supports the contention that ginger holds positive pharmaceutical effects against osteoarthritis.

Pubmed Data : Planta Med. 2017 Feb ;83(3-04):268-276. Epub 2016 Aug 30. PMID: [27574898](#)

Article Published Date : Jan 31, 2017

Authors : Jetsada Ruangsuriya, Piyaporn Budprom, Nawarat Viriyakhasem, Patiwat Kongdang, Chatchadawalai Chokchaitaweek, Nutnicha Sirikaew, Siriwarddee Chomdej, Korakot Nganvongpanit, Siriwan Ongchai

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Osteoarthritis : CK(770) : AC(115)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Osteoarthritis: Knee (AC 8) (CK 71)

A highly standardised ginger and Echinacea extract could be beneficial for people with knee osteoarthritis.

Pubmed Data : Nat Prod Res. 2016 Oct 13;1-5. Epub 2016 Oct 13. PMID: [27737573](#)

Article Published Date : Oct 12, 2016

Authors : Mariangela Rondanelli, Antonella Riva, Paolo Morazzoni, Pietro Allegrini, Milena Anna Faliva, Maurizio Naso, Alessandra Miccono, Gabriella Peroni, Irene Degli Agosti, Simone Perna

Study Type : Human Study

Additional Links

Substances : Echinacea : CK(550) : AC(108), Ginger : CK(775) : AC(207)

Diseases : Osteoarthritis: Knee : CK(517) : AC(53)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Aroma-massage therapy with ginger and orange oil have potential as an alternative method for short-term knee pain relief.

Pubmed Data : Microbes Infect. 2006 May;8(6):1450-4. Epub 2006 Mar 29. PMID: [18534325](#)

Article Published Date : May 01, 2006

Authors : Yin Bing Yip, Ada Chung Ying Tam

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Orange : CK(190) : AC(37)

Diseases : Osteoarthritis: Knee : CK(517) : AC(53)

Therapeutic Actions : Aromatherapy : CK(652) : AC(65), Massage/Therapeutic Touch : CK(810) : AC(81)

Aromatherapy massage performed in elderly patients with knee osteoarthritis reduced pain and improved functional status and quality of life.

Pubmed Data : Jpn J Nurs Sci. 2019 May 30. Epub 2019 May 30. PMID: [31144450](#)

Article Published Date : May 29, 2019

Authors : Seda Pehlivan, Ayfer Karadakovan

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Rosemary : CK\(281\) : AC\(114\)](#)

Diseases : [Osteoarthritis: Knee : CK\(517\) : AC\(53\)](#)

Therapeutic Actions : [Aromatherapy : CK\(652\) : AC\(65\)](#)

Pharmacological Actions : [Analgesics : CK\(2569\) : AC\(470\)](#)

Additional Keywords : [Essential Oils : CK\(181\) : AC\(69\)](#)

Current status of top 10 nutraceuticals used for Knee Osteoarthritis in India.

Pubmed Data : [J Clin Orthop Trauma. 2018 Oct-Dec;9\(4\):338-348. Epub 2018 Jul 20. PMID: 30449982](#)

Article Published Date : Sep 30, 2018

Authors : Raju Vaishya, Amit Kumar Agarwal, Amish Shah, Vipul Vijay, Abhishek Vaish

Study Type : Review

Additional Links

Substances : [Chondroitin Sulfate : CK\(35\) : AC\(7\)](#) , [Curcumin : CK\(4844\) : AC\(2458\)](#) , [Fish Oil : CK\(723\) : AC\(113\)](#) , [Frankincense : CK\(224\) : AC\(41\)](#) , [Ginger : CK\(775\) : AC\(207\)](#) , [Glucosamine : CK\(114\) : AC\(20\)](#) , [Green Tea : CK\(2720\) : AC\(822\)](#)

Diseases : [Osteoarthritis: Knee : CK\(517\) : AC\(53\)](#)

Pharmacological Actions : [Osteoprotective : CK\(20\) : AC\(6\)](#)

Ginger has reduces symptoms of osteoarthritis of the knee.

Pubmed Data : [Arthritis Rheum. 2001 Nov;44\(11\):2531-8. PMID: 11710709](#)

Article Published Date : Nov 01, 2001

Authors : R D Altman, K C Marcussen

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Osteoarthritis: Knee : CK\(517\) : AC\(53\)](#)

Ginger powder supplementation can reduce inflammatory markers in patients with knee osteoarthritis.

Pubmed Data : [J Tradit Complement Med. 2016 Jul ;6\(3\):199-203. Epub 2015 Jan 28. PMID: 27419081](#)

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein](#) : CK(2693) : AC(263), [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196)

Self-knee massage with ginger oil in patients with osteoarthritis.

Pubmed Data : Res Theory Nurs Pract. 2017 Nov 1 ;31(4):379-392. PMID: [29137696](#)

Article Published Date : Oct 31, 2017

Authors : Betul Tosun, Nursemin Unal, Deniz Yigit, Nuray Can, Ozlem Aslan, Servet Tunay

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Therapeutic Actions : [Massage/Therapeutic Touch](#) : CK(810) : AC(81)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Plant Oils](#) : CK(55) : AC(24)

These preliminary results indicate the efficacy and safety of Movardol supplementation in the management of moderate knee osteoarthritis.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Dec ;20(24):5198-5204. PMID: [28051248](#)

Article Published Date : Nov 30, 2016

Authors : G Bolognesi, G Belcaro, B Feragalli, U Cornelli, R Cotellesse, S Hu, M Dugall

Study Type : Human Study

Additional Links

Substances : [Frankincense](#) : CK(224) : AC(41), [Ginger](#) : CK(775) : AC(207)

Diseases : [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Overweight (AC 1) (CK 10)

Ginger consumption enhances the thermic effect of food and promotes feelings of satiety without affecting metabolic and hormonal parameters in overweight men.

Pubmed Data : Metabolism. 2012 Oct ;61(10):1347-52. Epub 2012 Apr 24. PMID: [22538118](#)

Article Published Date : Oct 01, 2012

Authors : Muhammad S Mansour, Yu-Ming Ni, Amy L Roberts, Michael Kelleman, Arindam Roychoudhury, Marie-Pierre St-Onge

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Overweight](#) : CK(5806) : AC(1169), [Weight Problems](#): [Appetite](#) : CK(162) : AC(22)

Pharmacological Actions : [Thermogenic](#) : CK(57) : AC(9)

Oxidative Stress (AC 13) (CK 25)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: [25811848](#)

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: [16971750](#)

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwai, Kanwaljit Chopra

Study Type : Animal Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Renoprotective : CK(1308) : AC(593)

Administration of ginger and/or thyme has ameliorative effects on liver and kidney functions of V-line rabbits.

Pubmed Data : J Anim Physiol Anim Nutr (Berl). 2019 Aug 22. Epub 2019 Aug 22. PMID: [31441113](#)

Article Published Date : Aug 21, 2019

Authors : Mohammed Abdel-Gabbar, Rasha R Ahmed, Mohamed A Kandeil, Alaa El-Deen H Mohamed, Shimaa M Ali

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Thyme : CK(116) : AC(59)

Diseases : Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Hypolipidemic : CK(3189) : AC(707)

Cardiac delayed repolarisation and atrioventricular conduction in rats with diabetes were halted by zingerone.

Pubmed Data : PLoS One. 2017 ;12(12):e0189074. Epub 2017 Dec 5. PMID: [29206854](#)

Article Published Date : Dec 31, 2016

Authors : Hany M El-Bassossy, Wafaa S Al-Thubiani, Ahmed A Elberry, Mohammad I Mujallid, Salah A Ghareib, Ahmad S Azhar, Zainy M Banjar, Malcolm L Watson

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Inflammation : CK(6531) : AC(1986), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Cardioprotective : CK(3412) : AC(1032)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: [31590464](#)

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758)

Dietary ginger has a protective effect on lindane-induced oxidative stress in rats.

Pubmed Data : Altern Med Rev. 2008 Mar;13(1):6-20. PMID: [18389491](#)

Article Published Date : Mar 01, 2008

Authors : Rafat S Ahmed, Sanvidhan G Suke, Vandana Seth, Ayanabha Chakraborti, Ashok K Tripathi, Basu D Banerjee

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436) , [Pesticide Toxicity](#) : CK(192) : AC(61)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Chemical: Lindane](#) : CK(22) : AC(7) , [Plant Extracts](#) : CK(11762) : AC(4236)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Insulin Resistance](#) : CK(2804) : AC(602) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Insulin Sensitizers](#) : CK(707) : AC(139) , [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halil İbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1), [Inflammation](#) : CK(6531) : AC(1986), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: [15453957](#)

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436), [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Radioprotective](#) : CK(1247) : AC(406)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: [26667466](#)

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504), [Lipid Peroxidation](#) : CK(1178) : AC(476), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418)

Modulation of age-related NF-kappaB activation by

dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Aging](#) : CK(2716) : AC(676) , [Cancers: All](#) : CK(22165) : AC(7896) , [Cardiovascular Diseases](#) : CK(10121) : AC(1456) , [Dementia](#) : CK(1221) : AC(196) , [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

These results are supportive of use of ginger essential oil as a potential radioprotective compound.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(3):1325-32. PMID: [27039766](#)

Article Published Date : Dec 31, 2015

Authors : Kottarapat Jeena, Vijayasteltar B Liju, Viswanathan Ramanath, Ramadasan Kuttan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Radioprotective](#) : CK(1247) : AC(406)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Zingerone produced marked improvement in stress induced irritable bowel disorder

Pubmed Data : Phytomedicine. 2014 Mar 15 ;21(4):423-9. Epub 2013 Nov 18. PMID: [24262066](#)

Article Published Date : Mar 14, 2014

Authors : David Banji, Otilia J F Banji, Bandlapalli Pavani, Ch Kranthi Kumar, A R Annamalai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Irritable Bowel Syndrome](#) : CK(720) : AC(93) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Pain (AC 1) (CK 2)

Ginger (*Zingiber officinale* Roscoe) elicits antinociceptive properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test.

Pubmed Data : J Med Food. 2010 Dec ;13(6):1397-401. PMID: [21091253](#)

Article Published Date : Dec 01, 2010

Authors : Reza Sepahvand, Saeed Esmaeili-Mahani, Ardeshir Arzi, Bahram Rasouljan, Mehdi Abbasnejad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Morphine Tolerance/Dependence](#) : CK(89) : AC(34) , [Pain](#) : CK(975) : AC(161)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Drug Synergy](#) : CK(352) : AC(157) , [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Pancreatic Cancer (AC 3) (CK 8)

Ginger extract inhibited cell proliferation and subsequently induced the autotic death of pancreatic cancer Panc-1 cells.

Pubmed Data : PLoS One. 2015 ;10(5):e0126605. Epub 2015 May 11. PMID: [25961833](#)

Article Published Date : Dec 31, 2014

Authors : Miho Akimoto, Mari Iizuka, Rie Kanematsu, Masato Yoshida, Keizo Takenaga

Study Type : Animal Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450) , [Autophagy Up-regulation](#) : CK(296) : AC(197)

Gingerol may help combat chemotherapy resistant pancreatic cancer cells.

Pubmed Data : Yonsei Med J. 2006 Oct 31;47(5):688-97. PMID: [17066513](#)

Article Published Date : Oct 31, 2006

Authors : Yon Jung Park, Jing Wen, Seungmin Bang, Seung Woo Park, Si Young Song

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Additional Keywords : [Chemotherapy Resistance](#) : CK(5) : AC(5)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: [22454691](#)

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zerumbone](#) : CK(46) : AC(24)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Caspase-3 Activation](#) : CK(137) : AC(90), [P21 Activation](#) : CK(72) : AC(47), [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Zerumbone](#) : CK(5) : AC(1)

Parabens-Associated Toxicity (AC 4) (CK 6)

A water extract of ginger ameliorates paraben induced cytotoxicity.

Pubmed Data : Acta Pol Pharm. 2006 Mar-Apr;63(2):117-9. PMID: [17514874](#)

Article Published Date : Mar 01, 2006

Authors : Veena Asnani, Ramtej Jayram Verma

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Parabens-Associated Toxicity](#) : CK(16) : AC(5)

Ginger extract ameliorates paraben induced biochemical changes in liver and kidney of mice.

Pubmed Data : Acta Pol Pharm. 2007 May-Jun;64(3):217-20. PMID: [17695143](#)

Article Published Date : May 01, 2007

Authors : Ramtej J Verma, Veena Asnani

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Parabens-Associated Toxicity](#) : CK(16) : AC(5)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger extract has an ameliorative effect on paraben-induced lipid peroxidation in the liver of mice.

Pubmed Data : Acta Pol Pharm. 2009 May-Jun;66(3):225-8. PMID: [19645321](#)

Article Published Date : May 01, 2009

Authors : Veena M Asnani, Ramtej J Verma

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Parabens-Associated Toxicity](#) : CK(16) : AC(5)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger significantly reduces paraben induced lipid peroxidation in liver and kidney cells.

Pubmed Data : Acta Pol Pharm. 2007 Jan-Feb;64(1):35-7. PMID: [17665848](#)

Article Published Date : Jan 01, 2007

Authors : Veena Asnani, Ramtej Jayram Verma

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Parabens-Associated Toxicity](#) : CK(16) : AC(5)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Parasitic Intestinal Diseases (AC 1) (CK 1)

Ginger and garlic treatment significantly lowered the number of the blastocystis hominis parasites.

Pubmed Data : J Egypt Soc Parasitol. 2015 Apr ;45(1):93-100. PMID: [26012223](#)

Article Published Date : Mar 31, 2015

Authors : Ekhlas H Abdel-Hafeez, Azza K Ahmad, Noha H Andelgelil, Manal Z M Abdellatif, Amany M Kamal, Rabie M Mohamed

Study Type : In Vitro Study

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207), [Onion](#) : CK(317) : AC(90), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Parasitic Intestinal Diseases](#) : CK(17) : AC(11)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Parkinson's Disease (AC 2) (CK 2)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27), [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Aging](#) : CK(2716) : AC(676), [Alzheimer's Disease](#) : CK(2442) : AC(871), [Hypertension](#) : CK(4573) : AC(670), [Parkinson's Disease](#) : CK(1155) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Blood-brain barrier permeability study of ginger constituents.

Pubmed Data : J Pharm Biomed Anal. 2019 Aug 19 ;177:112820. Epub 2019 Aug 19. PMID: [31476432](#)

Article Published Date : Aug 18, 2019

Authors : Alexandra Simon, András Darcsi, Ágnes Kéry, Eszter Riethmüller

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Alzheimer's Disease : CK(2442) : AC(871) , Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)

Additional Keywords : Blood Brain Barrier : CK(34) : AC(13)

Pesticide Toxicity (AC 1) (CK 2)

Dietary ginger has a protective effect on lindane-induced oxidative stress in rats.

Pubmed Data : Altern Med Rev. 2008 Mar;13(1):6-20. PMID: [18389491](#)

Article Published Date : Mar 01, 2008

Authors : Rafat S Ahmed, Sanvidhan G Suke, Vandana Seth, Ayanabha Chakraborti, Ashok K Tripathi, Basu D Banerjee

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Oxidative Stress : CK(6519) : AC(2436) , Pesticide Toxicity : CK(192) : AC(61)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Chemical: Lindane : CK(22) : AC(7) , Plant Extracts : CK(11762) : AC(4236)

Pets: Heartworm (AC 2) (CK 3)

Andrographis, Tinospora and especially Zingiber officinale (ginger) have anti-parasitic activity against canine dirofilariasis (heartworm).

Pubmed Data : Res Vet Sci. 2010 Feb;88(1):142-7. Epub 2009 Jun 4. PMID: [19500810](#)

Article Published Date : Feb 01, 2010

Authors : L T Merawin, A K Arifah, R A Sani, M N Somchit, A Zuraini, S Ganabadi, Z A Zakaria

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dog Diseases](#) : CK(3) : AC(2), [Pets: Heartworm](#) : CK(3) : AC(2)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger (intravenous) exhibits antiparasitic activity against Dirofilaria immitis (heartworm).

Pubmed Data : J Helminthol. 1987 Sep;61(3):268-70. PMID: [3668217](#)

Article Published Date : Sep 01, 1987

Authors : A Datta, N C Sukul

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dog Diseases](#) : CK(3) : AC(2), [Pets: Heartworm](#) : CK(3) : AC(2)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Pneumonia (AC 1) (CK 10)

Ginger extract reduces delayed gastric emptying and nosocomial pneumonia in adult respiratory distress syndrome patients hospitalized in an intensive care unit.

Pubmed Data : J Crit Care. 2010 Feb 9. Epub 2010 Feb 9. PMID: [20149584](#)

Article Published Date : Feb 09, 2010

Authors : Zahra Vahdat Shariatpanahi, Fourogh Azam Taleban, Majid Mokhtari, Shaahin Shahbazi

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Gastroparesis : CK\(107\) : AC\(13\)](#), [Pneumonia : CK\(421\) : AC\(57\)](#), [Respiratory Distress Syndrome : CK\(15\) : AC\(4\)](#)

Prediabetes (AC 1) (CK 10)

Ayurvedic polyherbal combination for prediabetes.

Pubmed Data : J Ayurveda Integr Med. 2019 Jan 17. Epub 2019 Jan 17. PMID: [30661947](#)

Article Published Date : Jan 16, 2019

Authors : Amit Nakanekar, Kuldip Kohli, Pratima Tatke

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#), [Guduchi : CK\(93\) : AC\(21\)](#), [Gymnema Sylvestre : CK\(38\) : AC\(16\)](#), [Pterocarpus marsupium : CK\(39\) : AC\(17\)](#)

Diseases : [Prediabetes : CK\(192\) : AC\(23\)](#)

Pharmacological Actions : [Hypoglycemic Agents : CK\(3297\) : AC\(841\)](#)

Premenopausal Disorders (AC 1) (CK 10)

Effect of treatment with ginger on the severity of premenstrual syndrome symptoms.

Pubmed Data : ISRN Obstet Gynecol. 2014 ;2014:792708. Epub 2014 May 4. PMID: [24944825](#)

Article Published Date : Jan 01, 2014

Authors : Samira Khayat, Masoomah Kheirkhah, Zahra Behboodi Moghadam, Hamed Fanaei, Amir Kasaeian, Mani Javadimehr

Study Type : Human Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Premenstrual syndrome (AC 1) (CK 1)

This research demonstrated efficacy and safety of Iranian herbal medicines in alleviating PMS.

Pubmed Data : Avicenna J Phytomed. 2018 Mar-Apr;8(2):96-113. PMID: [29632841](#)

Article Published Date : Feb 28, 2018

Authors : Nahid Maleki-Saghooni, Fatemeh Zahra Karimi, Zahra Behboodi Moghadam, Khadigeh Mirzaii Najmabadi

Study Type : Review

Additional Links

Substances : Chamomile : CK(182) : AC(30) , Chaste Tree (Chasteberry) : CK(22) : AC(5) , Curcumin : CK(4844) : AC(2458), Fennel : CK(168) : AC(28) , Flaxseed : CK(672) : AC(134) , Ginger : CK(775) : AC(207), Lemon Balm : CK(32) : AC(9) , Orange : CK(190) : AC(37) , Saffron : CK(506) : AC(119) , St. Johns Wort : CK(296) : AC(88), Valerian : CK(129) : AC(22) , Wheat Germ : CK(57) : AC(10) , Zataria multiflora : CK(2) : AC(1)

Diseases : Premenstrual syndrome : CK(231) : AC(24)

Additional Keywords : Traditional Iranian Medicine : CK(10) : AC(1)

Prostate Cancer (AC 5) (CK 7)

Curcumin, Resveratrol and Gingerol decrease prostate inflammation

Pubmed Data : Carcinogenesis. 2007 Jun;28(6):1188-96. Epub 2006 Dec 6. PMID: [17151092](#)

Article Published Date : Jun 01, 2007

Authors : Larisa Nonn, David Duong, Donna M Peehl

Study Type : In Vitro Study

Additional Links

Substances : Curcumin : CK(4844) : AC(2458) , Ginger : CK(775) : AC(207) , Resveratrol : CK(1649) : AC(947)

Diseases : Prostate Cancer : CK(2097) : AC(687)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: [28872603](#)

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: Drug Resistant : CK(562) : AC(369) , Prostate Cancer : CK(2097) : AC(687)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Chemotherapeutic : CK(397) : AC(152)

Ginger protects against prostate cancer.

Pubmed Data : Mol Nutr Food Res. 2007 Dec;51(12):1492-502. PMID: [18030663](#)

Article Published Date : Dec 01, 2007

Authors : Yogeshwer Shukla, Sahdeo Prasad, Chitra Tripathi, Madhulika Singh, Jasmine George, Neetu Kalra

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Prostate Cancer : CK(2097) : AC(687)

Turmeric and ginger work synergistically to suppress prostate cancer cell lines.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2012 Oct 12 ;0(0):1-8. Epub 2012 Oct 12. PMID: [23072849](#)

Article Published Date : Oct 12, 2012

Authors : Kesava Rao V Kurapati, Thangavel Samikkannu, Dakshayani B Kadiyala, Saiyed M Zainulabedin, Nimisha Gandhi, Sadhana S Sathaye, Manohar A Indap, Nawal Boukli, Jose W Rodriguez, Madhavan P N Nair

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Turmeric : CK(5994) : AC(2727)

Diseases : Prostate Cancer : CK(2097) : AC(687)

Additional Keywords : Natural Substance Synergy : CK(844) : AC(392)

Whole ginger extract reduces prostate tumor size by 56% in mice.

Pubmed Data : Br J Nutr. 2011 Aug 18;1-12. Epub 2011 Aug 18. PMID: [21849094](#)

Article Published Date : Aug 18, 2011

Authors : Prasanthi Karna, Sharmeen Chagani, Sushma R Gundala, Padmashree C G Rida, Ghazia Asif, Vibhuti Sharma, Meenakshi V Gupta, Ritu Aneja

Study Type : Transgenic Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Prostate Cancer](#) : CK(2097) : AC(687)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

Pseudomonas aeruginosa (AC 3) (CK 3)

Structural alterations in Pseudomonas aeruginosa by zingerone contribute to enhanced susceptibility to antibiotics, serum and phagocytes.

Pubmed Data : Life Sci. 2014 Nov 4 ;117(1):24-32. Epub 2014 Sep 30. PMID: [25277943](#)

Article Published Date : Nov 03, 2014

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone inhibit biofilm formation and improve antibiofilm efficacy of ciprofloxacin against Pseudomonas aeruginosa PAO1.

Pubmed Data : Fitoterapia. 2013 Oct ;90:73-8. Epub 2013 Jul 4. PMID: [23831483](#)

Article Published Date : Sep 30, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Biofilm](#) : CK(99) : AC(71), [Natural Substance/Drug Synergy](#) : CK(352) : AC(142), [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Zingerone silences quorum sensing and attenuates virulence of *Pseudomonas aeruginosa*.

Pubmed Data : Fitoterapia. 2015 Apr ;102:84-95. Epub 2015 Feb 20. PMID: [25704369](#)

Article Published Date : Mar 31, 2015

Authors : Lokender Kumar, Sanjay Chhibber, Rajnish Kumar, Manoj Kumar, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821), [Quorum Sensing Inhibition](#) : CK(1) : AC(1)

Pyelonephritis (AC 1) (CK 2)

Both in vivo and in vitro results confirm the efficacy of black pepper, ginger and thyme extracts extracts as natural antimicrobials and suggests the possibility of using them in treatment procedures.

Pubmed Data : Int J Immunopathol Pharmacol. 2014 Oct-Dec;27(4):531-41. PMID: [25572733](#)

Article Published Date : Sep 30, 2014

Authors : M A Nassan, E H Mohamed

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Black Pepper](#) : CK(366) : AC(155), [Ginger](#) : CK(775) : AC(207), [Thyme](#) : CK(116) : AC(59)

Diseases : [Pyelonephritis](#) : CK(19) : AC(6)

Pharmacological Actions : [Antimicrobial](#) : CK(776) : AC(352)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Quality of Life: Poor (AC 1) (CK 10)

A statistically significant change from baseline for health related quality of life was detected after ginger essential oil inhalation.

Pubmed Data : Complement Ther Med. 2015 Jun ;23(3):396-404. Epub 2015 Apr 21. PMID: [26051575](#)

Article Published Date : May 31, 2015

Authors : Pei Lin Lua, Noor Salihah, Nik Mazlan

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17) , [Quality of Life: Poor](#) : CK(549) : AC(57)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Radiation Induced Illness (AC 3) (CK 5)

Ginger exhibits behavioral radioprotection against radiation-induced taste aversion.

Pubmed Data : Pharmacol Biochem Behav. 2006 Jun;84(2):179-88. Epub 2006 Jun 21. PMID: [16797061](#)

Article Published Date : Jun 01, 2006

Authors : Anupum Haksar, Ashok Sharma, Raman Chawla, Raj Kumar, Rajesh Arora, Surender Singh, J Prasad, M Gupta, R P Tripathi, M P Arora, F Islam, R K Sharma

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758) , Radioprotective : CK(1247) : AC(406)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: [15453957](#)

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Oxidative Stress : CK(6519) : AC(2436) , Radiation Induced Illness : CK(1048) : AC(265)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758) , Radioprotective : CK(1247) : AC(406)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: [21335001](#)

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : DNA damage : CK(1482) : AC(545) , Radiation Induced Illness : CK(1048) : AC(265)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932) , Radioprotective : CK(1247) : AC(406)

Respiratory Distress Syndrome (AC 1) (CK 10)

Ginger extract reduces delayed gastric emptying and

nosocomial pneumonia in adult respiratory distress syndrome patients hospitalized in an intensive care unit.

Pubmed Data : J Crit Care. 2010 Feb 9. Epub 2010 Feb 9. PMID: [20149584](#)

Article Published Date : Feb 09, 2010

Authors : Zahra Vahdat Shariatpanahi, Fourogh Azam Taleban, Majid Mokhtari, Shaahin Shahbazi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastroparesis](#) : CK(107) : AC(13), [Pneumonia](#) : CK(421) : AC(57), [Respiratory Distress Syndrome](#) : CK(15) : AC(4)

Respiratory Syncytial Virus Infections (AC 1) (CK 5)

Fresh ginger (Zingiber officinale) has anti-viral activity against human respiratory syncytial virus in human respiratory tract cell lines.

Pubmed Data : J Ethnopharmacol. 2012 Nov 1. Epub 2012 Nov 1. PMID: [23123794](#)

Article Published Date : Nov 01, 2012

Authors : Jung San Chang, Kuo Chih Wang, Chia Feng Yeh, Den En Shieh, Lien Chai Chiang

Study Type : Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Respiratory Syncytial Virus Infections](#) : CK(79) : AC(26)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Additional Keywords : [Fresh Versus Dried Potencies](#) : CK(5) : AC(1)

Rhabdomyosarcoma (AC 1) (CK 1)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: [25939344](#)

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Rhabdomyosarcoma](#) : CK(8) : AC(5)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214) , [Natural Substance/Drug Synergy](#) : CK(352) : AC(142) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Rheumatoid Arthritis (AC 2) (CK 20)

Comparable efficacy of standardized Ayurveda formulation and hydroxychloroquine sulfate (HCQS) in the treatment of rheumatoid arthritis (RA).

Pubmed Data : Clin Rheumatol. 2012 Feb ;31(2):259-69. Epub 2011 Jul 20. PMID: [21773714](#)

Article Published Date : Feb 01, 2012

Authors : Arvind Chopra, Manjit Saluja, Girish Tillu, Anuradha Venugopalan, Gumdal Narsimulu, Rohini Handa, Lata Bichile, Ashwinikumar Raut, Sanjeev Sarmukaddam, Bhushan Patwardhan

Study Type : Human Study

Additional Links

Substances : [Ayurvedic Formulations](#) : CK(148) : AC(24) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Rheumatoid Arthritis](#) : CK(1140) : AC(209)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Problem Substances : [Hydroxychloroquine sulfate](#) : CK(10) : AC(1)

Ginger can improve rheumatoid arthritis by decreasing

disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: [30844477](#)

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Rheumatoid Arthritis](#) : CK(1140) : AC(209)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214) , [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Rhinovirus Infection (AC 1) (CK 1)

Ginger contains compounds which inhibit rhinoviral activity.

Pubmed Data : Brain Res. 2004 Sep 10;1020(1-2):1-11. PMID: [8064299](#)

Article Published Date : Sep 10, 2004

Authors : C V Denyer, P Jackson, D M Loakes, M R Ellis, D A Young

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Rhinovirus Infection](#) : CK(39) : AC(20)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Salmonella Infections (AC 1) (CK 1)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural

antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28), Black Pepper : CK(366) : AC(155), Coriander : CK(4) : AC(4), Cumin : CK(55) : AC(32), Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Mustard Oil : CK(3) : AC(3), Onions : CK(2) : AC(2), Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12), Escherichia coli Infections : CK(279) : AC(188), Listeria Infections : CK(30) : AC(24), Micrococcus luteus infections : CK(3) : AC(3), Salmonella Infections : CK(57) : AC(35), Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821), Antimicrobial : CK(776) : AC(352), Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69), Natural Substance Synergy : CK(844) : AC(392)

Schistosomiasis (AC 1) (CK 2)

Ginger has antischistosomal activity effect against Schistosoma mansoni harbored in mice.

Pubmed Data : Zhongguo Zhen Jiu. 2009 Mar;29(3):247-51. PMID: [21327992](#)

Article Published Date : Mar 01, 2009

Authors : Osama M S Mostafa, Refaat A Eid, Mohamed A Adly

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Schistosomiasis : CK(12) : AC(7)

Sepsis (AC 2) (CK 7)

Zingerone could be a potential therapeutic agent for

treatment of various severe vascular inflammatory diseases.

Pubmed Data : Arch Pharm Res. 2018 Mar ;41(3):276-287. Epub 2017 May 16. PMID: [28508944](#)

Article Published Date : Feb 28, 2018

Authors : Gahee Min, Sae-Kwang Ku, Taeho Lee, Jong-Sup Bae

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Sepsis](#) : CK(473) : AC(147)

Pharmacological Actions : [Cytoprotective](#) : CK(190) : AC(94)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: [28610995](#)

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Endotoxemia](#) : CK(83) : AC(43), [Sepsis](#) : CK(473) : AC(147)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Skin Cancer: Squamous Cell (AC 1) (CK 1)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: [19481070](#)

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Skin Cancer: Squamous Cell : CK(56) : AC(20)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846), Cell cycle arrest : CK(1289) : AC(1006)

Staphylococcus aureus infection (AC 4) (CK 4)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28), Black Pepper : CK(366) : AC(155), Coriander : CK(4) : AC(4), Cumin : CK(55) : AC(32), Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Mustard Oil : CK(3) : AC(3), Onions : CK(2) : AC(2), Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12), Escherichia coli Infections : CK(279) : AC(188), Listeria Infections : CK(30) : AC(24), Micrococcus luteus infections : CK(3) : AC(3), Salmonella Infections : CK(57) : AC(35), Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821), Antimicrobial : CK(776) : AC(352), Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69), Natural Substance Synergy : CK(844) : AC(392)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: [12630492](#)

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study

Additional Links

Substances : [Garcinia kola](#) : CK(23) : AC(4) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Haemophilus influenzae](#) : CK(44) : AC(8) , [Staphylococcus aureus infection](#) : CK(305) : AC(219), [Streptococcus pyogenes](#) : CK(30) : AC(19) , [Upper Respiratory Infections](#) : CK(1224) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger essential oil exerts anti-bacteria activity.

Pubmed Data : [Mater Sci Eng C Mater Biol Appl. 2017 Apr 1 ;73:381-387. Epub 2016 Dec 27. PMID: 28183622](#)

Article Published Date : Mar 31, 2017

Authors : Hong Lei, Qiaonian Wei, Qing Wang, Anxiang Su, Mei Xue, Qin Liu, Qiuhui Hu

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Escherichia coli Infections](#) : CK(279) : AC(188) , [Staphylococcus aureus infection](#) : CK(305) : AC(219)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Gingerenone-A and shogaol may have potential as SaHPPK inhibitors against staphylococcus aureus.

Pubmed Data : [Ann Clin Microbiol Antimicrob. 2018 Apr 2 ;17\(1\):16. Epub 2018 Apr 2. PMID: 29609660](#)

Article Published Date : Apr 01, 2018

Authors : Shailima Rampogu, Ayoung Baek, Rajesh Goud Gajula, Amir Zeb, Rohit S Bavi, Raj Kumar, Yongseong Kim, Yong Jung Kwon, Keun Woo Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Staphylococcus aureus infection](#) : CK(305) : AC(219)

Pharmacological Actions : [Enzyme Inhibitors](#) : CK(602) : AC(312)

Steatorrhea (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat

digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: [21918995](#)

Article Published Date : Sep 14, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study

Additional Links

Substances : Capsaicin : CK(141) : AC(57) , Ginger : CK(775) : AC(207) , Piperine : CK(225) : AC(109)

Diseases : Fat Malabsorption : CK(2) : AC(1) , Indigestion: Fats : CK(2) : AC(1) , Steatorrhea : CK(12) : AC(3)

Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(12) : AC(2)

Streptococcus pyogenes (AC 1) (CK 1)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: [12630492](#)

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study

Additional Links

Substances : Garcinia kola : CK(23) : AC(4) , Ginger : CK(775) : AC(207)

Diseases : Haemophilus influenzae : CK(44) : AC(8) , Staphylococcus aureus infection : CK(305) : AC(219), Streptococcus pyogenes : CK(30) : AC(19) , Upper Respiratory Infections : CK(1224) : AC(152)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Stroke: PostStroke Urinary Disorders (AC 1) (CK 10)

Ginger-salt moxibustion is therapeutic for poststroke urinary disorders.

Pubmed Data : Zhongguo Zhen Jiu. 2006 Sep;26(9):621-4. PMID: [17036477](#)

Article Published Date : Sep 01, 2006

Authors : Hui-lin Liu, Lin-peng Wang

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Neurogenic Bladder](#) : CK(91) : AC(10), [Stroke: PostStroke Urinary Disorders](#) : CK(10) : AC(1)

Therapeutic Actions : [Moxibustion](#) : CK(274) : AC(28)

Testicular Injury: Chemical/Metal Induced (AC 1) (CK 2)

Protective effect of zingerone against mouse testicular damage induced by zinc oxide nanoparticles.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jul 3. Epub 2019 Jul 3. PMID: [31270769](#)

Article Published Date : Jul 02, 2019

Authors : Zeinab Rafiee, Layasadat Khorsandi, Fereshteh Nejad-Dehbashi

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Testicular Injury: Chemical/Metal Induced](#) : CK(8) : AC(4)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Spermatogenic](#) : CK(12) : AC(2)

Problem Substances : [Nanoparticles](#) : CK(35) : AC(24), [Zinc Oxide](#) : CK(18) : AC(8)

Thrombosis (AC 1) (CK 1)

Aqueous extracts of onion, garlic and ginger inhibit platelet aggregation and may be useful as natural antithrombotic agents.

Pubmed Data : Biomed Biochim Acta. 1984;43(8-9):S335-46. PMID: [6440548](#)

Article Published Date : Jan 01, 1984

Authors : K C Srivastava

Study Type : In Vitro Study

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207), [Onion](#) : CK(317) : AC(90)

Diseases : [Thrombosis](#) : CK(316) : AC(81)

Pharmacological Actions : [Anti-Platelet](#) : CK(125) : AC(38), [Anti-thrombotic](#) : CK(56) : AC(24)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Toxoplasma gondii Infection (AC 1) (CK 1)

A review of medicinal plants that exhibit anti-Toxoplasma effects.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):730-4. Epub 2016 Jun 28. PMID: [27569880](#)

Article Published Date : Jul 31, 2016

Authors : Ibrahim Al Nasr, Faiyaz Ahmed, Fawaz Pullishery, Saeed El-Ashram, Vardharajula Venkata Ramaiah

Study Type : Review

Additional Links

Substances : [Capparis spinosa \(caper\)](#) : CK(18) : AC(12), [Ginger](#) : CK(775) : AC(207), [Juniper](#) : CK(26) : AC(19), [Myrrh](#) : CK(48) : AC(19), [Sophora Flavescens](#) : CK(43) : AC(17), [Tongkat Ali](#) : CK(49) : AC(14), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Toxoplasma gondii Infection](#) : CK(380) : AC(68)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Trigeminal Neuralgia (AC 1) (CK 2)

The traditional Japanese herbal formula Saiko-Keishi-To controls pain in trigeminal neuralgia in rats.

Pubmed Data : Masui. 2001 May;50(5):486-90. PMID: [11424461](#)

Article Published Date : May 01, 2001

Authors : M Sunagawa, M Okada, S Y Guo, T Hisamitsu

Study Type : Animal Study

Additional Links

Substances : Bupleurum : CK(6) : AC(3), Chinese Skullcap : CK(128) : AC(67), Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207), Japanese Herbal Formula: Sho-saiko-to : CK(2) : AC(1), Jujube : CK(12) : AC(2), Licorice : CK(427) : AC(139), Peony : CK(50) : AC(14), Pinellia : CK(3) : AC(2)

Diseases : Trigeminal Neuralgia : CK(140) : AC(18)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Triglycerides: Elevated (AC 1) (CK 10)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: [26475844](#)

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cardiovascular Disease: Prevention : CK(3250) : AC(433), Hemodialysis : CK(463) : AC(49), Triglycerides: Elevated : CK(846) : AC(142)

Pharmacological Actions : Hypolipidemic : CK(3189) : AC(707)

Additional Keywords : Risk Reduction : CK(11700) : AC(1273)

Tuberculosis (AC 1) (CK 10)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: [27089418](#)

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Tuberculosis](#) : CK(440) : AC(64)

Therapeutic Actions : [Integrative Medicine](#) : CK(312) : AC(45)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Tumors (AC 1) (CK 1)

Zingiber zerumbet (a member of the ginger family) contains compounds that inhibit histone deacetylase and exhibited growth inhibitory activity on various human tumor cell lines.

Pubmed Data : Pharmazie. 2008 Oct;63(10):774-6. PMID: [18972844](#)

Article Published Date : Oct 01, 2008

Authors : Ill-Min Chung, Min-Young Kim, Won-Hwan Park, Hyung-In Moon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Tumors](#) : CK(205) : AC(120)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450) , [Histone deacetylase inhibitor](#) : CK(48) : AC(37)

Ultraviolet Radiation Induced Damage (AC 1) (CK 1)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Ultraviolet Radiation Induced Damage](#) : CK(100) : AC(44)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Photoprotective](#) : CK(74) : AC(27), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Upper Respiratory Infections (AC 1) (CK 1)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: [12630492](#)

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study

Additional Links

Substances : [Garcinia kola](#) : CK(23) : AC(4), [Ginger](#) : CK(775) : AC(207)

Diseases : [Haemophilus influenzae](#) : CK(44) : AC(8), [Staphylococcus aureus infection](#) : CK(305) : AC(219), [Streptococcus pyogenes](#) : CK(30) : AC(19), [Upper Respiratory Infections](#) : CK(1224) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Uremia (AC 1) (CK 2)

Ginger extract markedly decreases Blood Urea Nitrogen (BUN) in a mouse model of uremia.

Pubmed Data : Pak J Biol Sci. 2007 Sep 1;10(17):2968-71. PMID: [19090210](#)

Article Published Date : Sep 01, 2007

Authors : Modaresi Mehrdad, Manouchehr Messripour, Mozhgan Ghobadipour

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Uremia](#) : CK(93) : AC(21)

Uterine Bleeding (AC 1) (CK 10)

Ginger is an effective supplement for heavy menstrual bleeding.

Pubmed Data : Phytother Res. 2014 Oct 8. Epub 2014 Oct 8. PMID: [25298352](#)

Article Published Date : Oct 08, 2014

Authors : Farzaneh Kashefi, Marjan Khajehei, Mohammad Alavinia, Ebrahim Golmakani, Javad Asili

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bleeding: Excessive](#) : CK(12) : AC(2), [Menorrhagia](#) : CK(32) : AC(5), [Uterine Bleeding](#) : CK(20) : AC(2)

Vertigo (AC 1) (CK 10)

Ginger root reduces vertigo in human subjects.

Pubmed Data : ORL J Otorhinolaryngol Relat Spec. 1986;48(5):282-6. PMID: [3537898](#)

Article Published Date : Jan 01, 1986

Authors : A Grøntved, E Hentzer

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Vertigo](#) : CK(71) : AC(7)

Weight Problems: Appetite (AC 1) (CK 10)

Ginger consumption enhances the thermic effect of food and promotes feelings of satiety without affecting metabolic and hormonal parameters in overweight men.

Pubmed Data : Metabolism. 2012 Oct ;61(10):1347-52. Epub 2012 Apr 24. PMID: [22538118](#)

Article Published Date : Oct 01, 2012

Authors : Muhammad S Mansour, Yu-Ming Ni, Amy L Roberts, Michael Kelleman, Arindam Roychoudhury, Marie-Pierre St-Onge

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Overweight](#) : CK(5806) : AC(1169), [Weight Problems: Appetite](#) : CK(162) : AC(22)

Pharmacological Actions : [Thermogenic](#) : CK(57) : AC(9)

Category : Pharmacological Actions

Acetylcholinesterase Inhibitor (AC 4) (CK 6)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: [31057649](#)

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19) , [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Cadmium Poisoning](#) : CK(232) : AC(116)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-10 downregulation](#) : CK(284) : AC(103) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Neuroprotective Agents](#) : CK(6374) : AC(2801) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: [28250905](#)

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Culinary Herbs and Spices : CK(8191) : AC(2341), Ginger : CK(775) : AC(207), Saffron : CK(506) : AC(119), Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871), Dementia : CK(1221) : AC(196)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Anti-Inflammatory Agents : CK(12461) : AC(4729)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: [28902458](#)

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study

Additional Links

Substances : Carvacrol : CK(67) : AC(9), Chrysin : CK(147) : AC(93), Citrus naringin : CK(17) : AC(12), Ginger : CK(775) : AC(207), Hesperidin : CK(375) : AC(148), Polyphenols : CK(1353) : AC(489)

Diseases : Hypoglycemia : CK(189) : AC(30)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Alpha-glucosidase inhibitor : CK(162) : AC(111), Hypoglycemic Agents : CK(3297) : AC(841)

Adenosine deaminase inhibitor (AC 1) (CK 2)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: [30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Adenosine deaminase inhibitor](#) : CK(16) : AC(5), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-10 downregulation](#) : CK(284) : AC(103), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Renoprotective](#) : CK(1308) : AC(593), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Aldose reductase inhibitor (AC 2) (CK 20)

Ginger is an aldose reductase inhibitor which may have contribute to the protection against diabetic complications.

Pubmed Data : J Agric Food Chem. 2006 Sep 6;54(18):6640-4. PMID: [16939321](#)

Article Published Date : Sep 06, 2006

Authors : Atsushi Kato, Yasuko Higuchi, Hirozo Goto, Haruhisa Kizu, Tadashi Okamoto, Naoki Asano, Jackie Hollinshead, Robert J Nash, Isao Adachi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Ginger supplementation is an effective treatment for type 2 diabetes.

Pubmed Data : Int J Food Sci Nutr. 2014 Feb 4. Epub 2014 Feb 4. PMID: [24490949](#)

Article Published Date : Feb 03, 2014

Authors : Tahereh Arablou, Naheed Aryaeian, Majid Valizadeh, Faranak Sharifi, Aghafatemeh Hosseini, Mahmoud Djalali

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393), [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133)

Pharmacological Actions : [Aldose reductase inhibitor](#) : CK(15) : AC(4)

Alpha-glucosidase inhibitor (AC 1) (CK 1)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: [28902458](#)

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study

Additional Links

Substances : [Carvacrol](#) : CK(67) : AC(9), [Chrysin](#) : CK(147) : AC(93), [Citrus naringin](#) : CK(17) : AC(12), [Ginger](#) : CK(775) : AC(207), [Hesperidin](#) : CK(375) : AC(148), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Hypoglycemia](#) : CK(189) : AC(30)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19), [Alpha-glucosidase inhibitor](#) : CK(162) : AC(111), [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Analgesics (AC 13) (CK 118)

A highly standardised ginger and Echinacea extract could be beneficial for people with knee osteoarthritis.

Pubmed Data : Nat Prod Res. 2016 Oct 13:1-5. Epub 2016 Oct 13. PMID: [27737573](#)

Article Published Date : Oct 12, 2016

Authors : Mariangela Rondanelli, Antonella Riva, Paolo Morazzoni, Pietro Allegrini, Milena Anna Faliva, Maurizio Naso, Alessandra Miccono, Gabriella Peroni, Irene Degli Agosti, Simone Perna

Study Type : Human Study

Additional Links

Substances : [Echinacea](#) : CK(550) : AC(108), [Ginger](#) : CK(775) : AC(207)

Diseases : [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Aromatherapy massage performed in elderly patients with knee osteoarthritis reduced pain and improved functional status and quality of life.

Pubmed Data : Jpn J Nurs Sci. 2019 May 30. Epub 2019 May 30. PMID: [31144450](#)

Article Published Date : May 29, 2019

Authors : Seda Pehlivan, Ayfer Karadakovan

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Rosemary](#) : CK(281) : AC(114)

Diseases : [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Therapeutic Actions : [Aromatherapy](#) : CK(652) : AC(65)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Collectively these RCTs provide suggestive evidence for the effectiveness of 750-2000 mg ginger powder during the first 3-4 days of menstrual cycle for primary dysmenorrhea.

Pubmed Data : Pain Med. 2015 Jul 14. Epub 2015 Jul 14. PMID: [26177393](#)

Article Published Date : Jul 13, 2015

Authors : James W Daily, Xin Zhang, Da Sol Kim, Sunmin Park

Study Type : Meta Analysis, Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dysmenorrhea](#) : CK(445) : AC(45)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Ginger (Zingiber officinale Roscoe) elicits antinociceptive

properties and potentiates morphine-induced analgesia in the rat radiant heat tail-flick test.

Pubmed Data : J Med Food. 2010 Dec ;13(6):1397-401. PMID: [21091253](#)

Article Published Date : Dec 01, 2010

Authors : Reza Sepahvand, Saeed Esmaeili-Mahani, Ardeshir Arzi, Bahram Rasouljan, Mehdi Abbasnejad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Morphine Tolerance/Dependence](#) : CK(89) : AC(34) , [Pain](#) : CK(975) : AC(161)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Drug Synergy](#) : CK(352) : AC(157) , [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness ensued by exercise in Iranian female athletes.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S11-5. PMID: [23717759](#)

Article Published Date : Apr 01, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study

Additional Links

Substances : [Cinnamon](#) : CK(309) : AC(119) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Muscle Soreness: Exercise-Induced](#) : CK(174) : AC(19)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Ginger as well as Novafen is effective in relieving pain in girls with primary dysmenorrhea.

Pubmed Data : Taiwan J Obstet Gynecol. 2018 Dec ;57(6):806-809. PMID: [30545531](#)

Article Published Date : Nov 30, 2018

Authors : Hajar Adib Rad, Zahra Basirat, Fatemeh Bakouei, Ali Akbar Moghadamnia, Soraya Khafri, Zeynab Farhadi Kotenaei, Maryam Nikpour, Somayeh Kazemi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dysmenorrhea](#) : CK(445) : AC(45)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Ginger extracts and its compound, 6-shogaol could reduce pain symptoms in painful diabetic neuropathy.

Pubmed Data : J Ethnopharmacol. 2019 Nov 16. Epub 2019 Nov 16. PMID: [31743763](#)

Article Published Date : Nov 15, 2019

Authors : Fifteen Aprila Fajrin, Agung Endro Nugroho, Arief Nurrochmad, Rina Susilowati

Study Type : Animal Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207)

Diseases : Diabetic Neuropathy : CK(59) : AC(19)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Red ginger oil has antihyperalgesia activity in mice with chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: [31608888](#)

Article Published Date : Jun 30, 2019

Authors : Fifteen Aprila Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986) , Neuropathic Pain : CK(528) : AC(145)

Pharmacological Actions : Analgesics : CK(2569) : AC(470) , Anti-Inflammatory Agents : CK(12461) : AC(4729)

Self-knee massage with ginger oil in patients with osteoarthritis.

Pubmed Data : Res Theory Nurs Pract. 2017 Nov 1 ;31(4):379-392. PMID: [29137696](#)

Article Published Date : Oct 31, 2017

Authors : Betul Tosun, Nursemin Unal, Deniz Yigit, Nuray Can, Ozlem Aslan, Servet Tunay

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Osteoarthritis: Knee : CK(517) : AC(53)

Therapeutic Actions : Massage/Therapeutic Touch : CK(810) : AC(81)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Additional Keywords : Plant Oils : CK(55) : AC(24)

The traditional Japanese herbal formula Saiko-Keishi-To controls pain in trigeminal neuralgia in rats.

Pubmed Data : Masui. 2001 May;50(5):486-90. PMID: [11424461](#)

Article Published Date : May 01, 2001

Authors : M Sunagawa, M Okada, S Y Guo, T Hisamitsu

Study Type : Animal Study

Additional Links

Substances : Bupleurum : CK(6) : AC(3), Chinese Skullcap : CK(128) : AC(67), Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207), Japanese Herbal Formula: Sho-saiko-to : CK(2) : AC(1), Jujube : CK(12) : AC(2), Licorice : CK(427) : AC(139), Peony : CK(50) : AC(14), Pinellia : CK(3) : AC(2)

Diseases : Trigeminal Neuralgia : CK(140) : AC(18)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Treatment of primary dysmenorrhea in students with ginger for 5 days had a statistically significant effect on relieving intensity and duration of pain.

Pubmed Data : BMC Complement Altern Med. 2012 ;12:92. Epub 2012 Jul 10. PMID: [22781186](#)

Article Published Date : Jan 01, 2012

Authors : Parvin Rahnama, Ali Montazeri, Hassan Fallah Huseini, Saeed Kianbakht, Mohsen Naseri

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Dysmenorrhea : CK(445) : AC(45)

Pharmacological Actions : Analgesics : CK(2569) : AC(470)

Additional Keywords : Phytotherapy : CK(2309) : AC(597), Plant Extracts : CK(11762) : AC(4236)

Two grams of ginger may have anti-inflammation and analgesic effect on delayed onset muscle soreness.

Pubmed Data : Med J Islam Repub Iran. 2015 ;29:261. Epub 2015 Sep 12. PMID: [26793652](#)

Article Published Date : Dec 31, 2014

Authors : Khadijeh Hoseinzadeh, Farhad Daryanoosh, Parvin Javad Baghdasar, Hamid Alizadeh

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Muscle Soreness : CK(86) : AC(12)

Pharmacological Actions : Analgesics : CK(2569) : AC(470), Anti-Inflammatory Agents : CK(12461) : AC(4729)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Zingiberaceae extracts are clinically effective hypoalgesic agents and the available data show a better safety profile than non steroidal anti inflammatory drugs.

Pubmed Data : Nutr J. 2015 ;14:50. Epub 2015 May 14. PMID: [25972154](#)

Article Published Date : Dec 31, 2014

Authors : Shaheen E Lakhan, Christopher T Ford, Deborah Tepper

Study Type : Meta Analysis, Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Chronic Pain](#) : CK(206) : AC(33)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Superiority of Natural Substances versus Drugs](#) : CK(1538) : AC(312)

Problem Substances : [Non-Steroidal Anti-Inflammatory Drugs \(NSAIDs\)](#) : CK(2536) : AC(388)

Angiogenesis Inhibitors (AC 1) (CK 1)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: [30659535](#)

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Angiogenesis Inhibitors](#) : CK(114) : AC(62) , [Antiproliferative](#) : CK(4773) : AC(3450) , [Apoptotic](#) : CK(5217) : AC(3846)

Anti-Allergic Agents (AC 1) (CK 2)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: [26403321](#)

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Allergic Rhinitis](#) : CK(392) : AC(52) , [Allergic Rhinitis: Prevention](#) : CK(12) : AC(2)

Pharmacological Actions : [Anti-Allergic Agents](#) : CK(167) : AC(61) , [Immunomodulatory](#) : CK(2249) : AC(733)

Anti-Angiogenic (AC 1) (CK 2)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: [27293376](#)

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Angiogenic](#) : CK(282) : AC(192) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763) , [Vascular Endothelial Growth Factor Inhibitors](#) : CK(123) : AC(61)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Anti-Apoptotic (AC 5) (CK 10)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halil İbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1), [Inflammation](#) : CK(6531) : AC(1986), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: [21335001](#)

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [DNA damage](#) : CK(1482) : AC(545), [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Radioprotective](#) : CK(1247) : AC(406)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID:

[29966984](#)

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40) , [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249) , [Alcoholic Liver Disease](#) : CK(152) : AC(61) , [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295) , [Hepatoprotective](#) : CK(3182) : AC(1418) , [Hypolipidemic](#) : CK(3189) : AC(707)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: [28982542](#)

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Antioxidants](#) : CK(14410) : AC(5758) , [Cardioprotective](#) : CK(3412) : AC(1032)

Problem Substances : [Isoproterenol](#) : CK(1) : AC(1)

Anti-Bacterial Agents (AC 10) (CK 20)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28) , Black Pepper : CK(366) : AC(155) , Coriander : CK(4) : AC(4) , Cumin : CK(55) : AC(32) , Garlic : CK(1099) : AC(367) , Ginger : CK(775) : AC(207) , Mustard Oil : CK(3) : AC(3) , Onions : CK(2) : AC(2) , Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12) , Escherichia coli Infections : CK(279) : AC(188) , Listeria Infections : CK(30) : AC(24) , Micrococcus luteus infections : CK(3) : AC(3) , Salmonella Infections : CK(57) : AC(35) , Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821) , Antimicrobial : CK(776) : AC(352) , Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69) , Natural Substance Synergy : CK(844) : AC(392)

Ginger and bitter kola exhibit antibacterial effects on respiratory tract pathogens.

Pubmed Data : East Afr Med J. 2002 Nov;79(11):588-92. PMID: [12630492](#)

Article Published Date : Nov 01, 2002

Authors : J F T K Akoachere, R N Ndip, E B Chenwi, L M Ndip, T E Njock, D N Anong

Study Type : In Vitro Study

Additional Links

Substances : Garcinia kola : CK(23) : AC(4) , Ginger : CK(775) : AC(207)

Diseases : Haemophilus influenzae : CK(44) : AC(8) , Staphylococcus aureus infection : CK(305) : AC(219) , Streptococcus pyogenes : CK(30) : AC(19) , Upper Respiratory Infections : CK(1224) : AC(152)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger essential oil and fractions against Mycobacterium spp.

Pubmed Data : J Ethnopharmacol. 2019 Jul 17;112095. Epub 2019 Jul 17. PMID: [31325601](#)

Article Published Date : Jul 16, 2019

Authors : Vanessa Pietrowski Baldin, Regiane Bertin de Lima Scodro, Carla Maria Mariano Fernandez, Andressa Lorena Ieque, Katiany Rizzieri Caleffi-Ferracioli, Vera Lucia Dias Siqueira,

Aryadne Larissa de Almeida, José Eduardo Gonçalves, Diógenes Aparício Garcia Cortez, Rosilene Fressatti Cardoso

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Mycobacterium Infections](#) : CK(50) : AC(28)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Ginger essential oil exerts anti-bacteria activity.

Pubmed Data : Mater Sci Eng C Mater Biol Appl. 2017 Apr 1 ;73:381-387. Epub 2016 Dec 27.

PMID: [28183622](#)

Article Published Date : Mar 31, 2017

Authors : Hong Lei, Qiaonian Wei, Qing Wang, Anxiang Su, Mei Xue, Qin Liu, Qiuhui Hu

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Escherichia coli Infections](#) : CK(279) : AC(188) , [Staphylococcus aureus infection](#) : CK(305) : AC(219)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: [19570992](#)

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acid Reflux](#) : CK(298) : AC(43) , [Gastroesophageal Reflux](#) : CK(299) : AC(44) , [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Proton Pump Inhibitor](#) : CK(36) : AC(13)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Prevacid \(Lansoprazole\) Alternatives](#) : CK(6) : AC(3)

Structural alterations in Pseudomonas aeruginosa by zingerone contribute to enhanced susceptibility to antibiotics, serum and phagocytes.

Pubmed Data : Life Sci. 2014 Nov 4 ;117(1):24-32. Epub 2014 Sep 30. PMID: [25277943](#)

Article Published Date : Nov 03, 2014

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: [31380260](#)

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dyspepsia](#) : CK(254) : AC(29) , [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Gastroprotective](#) : CK(534) : AC(228)

These spices could be as potential antimicrobial agents for inclusion in the anti-enterococcal treatment regimen.

Pubmed Data : Arch Med Sci. 2015 Aug 12 ;11(4):863-8. Epub 2015 Aug 11. PMID: [26322099](#)

Article Published Date : Aug 11, 2015

Authors : Sharma Revati, Chapagain Bipin, Pai Bhat Chitra, Bhattacharjee Minakshi

Study Type : In Vitro Study

Additional Links

Substances : [Cinnamon](#) : CK(309) : AC(119) , [Clove](#) : CK(107) : AC(57) , [Cumin](#) : CK(55) : AC(32) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Enterococcus Infections](#) : CK(16) : AC(12)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Antibiotic Resistance](#) : CK(70) : AC(13)

Zingerone inhibit biofilm formation and improve antibiofilm efficacy of ciprofloxacin against Pseudomonas aeruginosa PAO1.

Pubmed Data : Fitoterapia. 2013 Oct ;90:73-8. Epub 2013 Jul 4. PMID: [23831483](#)

Article Published Date : Sep 30, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821)

Additional Keywords : [Biofilm](#) : CK(99) : AC(71), [Natural Substance/Drug Synergy](#) : CK(352) : AC(142), [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Zingerone silences quorum sensing and attenuates virulence of *Pseudomonas aeruginosa*.

Pubmed Data : Fitoterapia. 2015 Apr ;102:84-95. Epub 2015 Feb 20. PMID: [25704369](#)

Article Published Date : Mar 31, 2015

Authors : Lokender Kumar, Sanjay Chhibber, Rajnish Kumar, Manoj Kumar, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821), [Quorum Sensing Inhibition](#) : CK(1) : AC(1)

Anti-Cachexic Agents (AC 1) (CK 10)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: [31745695](#)

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cachexia](#): [Cancer](#) : CK(50) : AC(15), [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Cachexic Agents](#) : CK(2) : AC(1), [Chemotherapeutic](#) : CK(397) : AC(152)

Anti-Glycation Agents (AC 2) (CK 2)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: [26926182](#)

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study

Additional Links

Substances : Apple Polyphenols : CK(52) : AC(25), EGCG (Epigallocatechin gallate) : CK(890) : AC(477), Ginger : CK(775) : AC(207)

Diseases : Advanced Glycation End products (AGE) : CK(369) : AC(138) , Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Anti-Glycation Agents : CK(46) : AC(19) , Antioxidants : CK(14410) : AC(5758), Nrf2 activation : CK(177) : AC(86)

These findings showed the potential effects of 6S and 6G on the prevention of protein glycation.

Pubmed Data : Chem Res Toxicol. 2015 Aug 6. Epub 2015 Aug 6. PMID: [26247545](#)

Article Published Date : Aug 05, 2015

Authors : Yingdong Zhu, Yantao Zhao, Pei Wang, Mohamed Ahmedna, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Advanced Glycation Endproduct (AGE) Formation : CK(7) : AC(3) , Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Anti-Glycation Agents : CK(46) : AC(19)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Anti-Inflammatory Agents (AC 58) (CK 147)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: [19061005](#)

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antineoplastic Agents](#) : CK(1594) : AC(982), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

6-Gingerol, a compound found within ginger, inhibits inflammation.

Pubmed Data : Biochem Biophys Res Commun. 2009 Apr 24;382(1):134-9. Epub 2009 Mar 4. PMID: [19268427](#)

Article Published Date : Apr 24, 2009

Authors : Tzung-Yan Lee, Ko-Chen Lee, Shih-Yuan Chen, Hen-Hong Chang

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: [25811848](#)

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) :

CK(14410) : AC(5758), Neuroprotective Agents : CK(6374) : AC(2801) , Nitric Oxide Inhibitor : CK(390) : AC(196)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: [25789481](#)

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Brain Inflammation : CK(686) : AC(352), Central Nervous System Diseases : CK(6) : AC(6) , Cerebral Ischemia : CK(443) : AC(192)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Neuroprotective Agents : CK(6374) : AC(2801), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Paradols : CK(1) : AC(1)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting A β accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: [26639976](#)

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Peony : CK(50) : AC(14)

Diseases : Alzheimer's Disease : CK(2442) : AC(871) , Brain Inflammation : CK(686) : AC(352)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Aging : CK(2716) : AC(676) , Alzheimer's Disease : CK(2442) : AC(871) , Hypertension : CK(4573) : AC(670) , Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Neuroprotective Agents : CK(6374) : AC(2801)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896) , Inflammation : CK(6531) : AC(1986) , Liver Disease: Oxidative Stress : CK(9) : AC(5) , Muscle Soreness : CK(86) : AC(12)

Therapeutic Actions : Exercise : CK(2795) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Anti-metastatic : CK(1284) : AC(927) , Antioxidants : CK(14410) : AC(5758) , Antiproliferative : CK(4773) : AC(3450) , Apoptotic : CK(5217) : AC(3846) , Gastrointestinal Agents : CK(268) : AC(41)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: [30009484](#)

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Anti-metastatic : CK(1284) : AC(927) , Antiproliferative : CK(4773) : AC(3450) , Apoptotic : CK(5217) : AC(3846)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: [30352300](#)

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

An extract of Z. cassumunar and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: [25840633](#)

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25), [Allergies](#) : CK(1076) : AC(205), [Hypersensitivity: Respiratory](#) : CK(11) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Enzyme Inhibitors](#) : CK(602) : AC(312), [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: [27568839](#)

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: [29736620](#)

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Cardioprotective](#) : CK(3412) : AC(1032), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: [31590464](#)

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Turmeric : CK\(5994\) : AC\(2727\)](#)

Diseases : [Cadmium Poisoning : CK\(232\) : AC\(116\)](#)

Pharmacological Actions : [Acetylcholinesterase Inhibitor : CK\(37\) : AC\(19\)](#) , [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#) , [Interleukin-10 downregulation : CK\(284\) : AC\(103\)](#) , [Interleukin-6 Downregulation : CK\(3054\) : AC\(1144\)](#) , [Neuroprotective Agents : CK\(6374\) : AC\(2801\)](#) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor : CK\(4357\) : AC\(1763\)](#)

Additional Keywords : [Essential Oils : CK\(181\) : AC\(69\)](#)

Problem Substances : [Cadmium : CK\(132\) : AC\(26\)](#)

Ginger and cinnamon intake have positive effects on inflammation and muscle soreness endured by exercise in Iranian female athletes.

Pubmed Data : [Int J Prev Med. 2013 Apr ;4\(Suppl 1\):S11-5. PMID: 23717759](#)

Article Published Date : Apr 01, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Awat Feizi, Mitra Hariri, Leila Darvishi, Azam Barani, Maryam Taghiyar, Afshin Shiranian, Maryam Hajishafiee

Study Type : Human Study

Additional Links

Substances : [Cinnamon : CK\(309\) : AC\(119\)](#) , [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Inflammation : CK\(6531\) : AC\(1986\)](#) , [Muscle Soreness: Exercise-Induced : CK\(174\) : AC\(19\)](#)

Pharmacological Actions : [Analgesics : CK\(2569\) : AC\(470\)](#) , [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : [Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: 27002391](#)

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Turmeric : CK\(5994\) : AC\(2727\)](#)

Diseases : [Hypertension : CK\(4573\) : AC\(670\)](#) , [Inflammation : CK\(6531\) : AC\(1986\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#) , [Interleukin-10 downregulation : CK\(284\) : AC\(103\)](#) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor : CK\(4357\) : AC\(1763\)](#)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: [30844477](#)

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Rheumatoid Arthritis](#) : CK(1140) : AC(209)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214), [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: [30362875](#)

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Hypolipidemic](#) : CK(3189) : AC(707)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halilİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1), [Inflammation](#) : CK(6531) : AC(1986),

Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932), Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), Malondialdehyde Downregulation : CK(1452) : AC(466), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)
Additional Keywords : Phytotherapy : CK(2309) : AC(597), Plant Extracts : CK(11762) : AC(4236)

Ginger extract ameliorates obesity and inflammation.

Pubmed Data : Nutrients. 2018 Oct 23 ;10(11). Epub 2018 Oct 23. PMID: [30360535](#)

Article Published Date : Oct 22, 2018

Authors : Seunghae Kim, Mak-Soon Lee, Sunyoon Jung, Hye-Yeon Son, Seonyoung Park, Bori Kang, Seog-Young Kim, In-Hwan Kim, Chong-Tai Kim, Yangha Kim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), MicroRNA modulator : CK(264) : AC(145)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: [28369951](#)

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastrointestinal Inflammation](#) : CK(118) : AC(41)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-6 Downregulation : CK(3054) : AC(1144), Interleukin-8 downregulation : CK(406) : AC(147), NF-kappaB Inhibitor : CK(2446) : AC(1436), Prostaglandin PGE2 downregulation : CK(23) : AC(11)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: [28904557](#)

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Oxidative Stress](#) : CK(131) : AC(40) , [Diabetic Complications](#) : CK(2530) : AC(735), [Fibrosis](#) : CK(16) : AC(10)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144)

Ginger powder supplementation can reduce inflammatory markers in patients with knee osteoarthritis.

Pubmed Data : [J Tradit Complement Med. 2016 Jul ;6\(3\):199-203. Epub 2015 Jan 28. PMID: 27419081](#)

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein](#) : CK(2693) : AC(263), [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : [J Complement Integr Med. 2016 Jun 1 ;13\(2\):201-6. PMID: 27089418](#)

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Tuberculosis](#) : CK(440) : AC(64)

Therapeutic Actions : [Integrative Medicine](#) : CK(312) : AC(45)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be

a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: [30005955](#)

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, CuneYT Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Necrotising enterocolitis](#) : CK(90) : AC(14)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: [29253614](#)

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Prostaglandin PGE2 downregulation](#) : CK(23) : AC(11), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Gingerenone A may be used as a potential therapeutic candidate for the treatment of obesity and its complications.

Pubmed Data : Mol Nutr Food Res. 2017 May 28. Epub 2017 May 28. PMID: [28556482](#)

Article Published Date : May 27, 2017

Authors : Sujin Suk, Gyoo Taik Kwon, Eunjung Lee, Woo Jung Jang, Hee Yang, Jong Hun Kim, N R Thimmegowda, Min-Yu Chung, Jung Yeon Kwon, Seunghee Yang, Jason K Kim, Jung Han Yoon Park, Ki Won Lee

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Additional Keywords : [Anti-Obesity Agents](#) : CK(1519) : AC(430)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: [26667466](#)

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Chemically-Induced Liver Damage : CK(1157) : AC(504) , Lipid Peroxidation : CK(1178) : AC(476), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Hepatoprotective : CK(3182) : AC(1418)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Aging : CK(2716) : AC(676), Cancers: All : CK(22165) : AC(7896), Cardiovascular Diseases : CK(10121) : AC(1456), Dementia : CK(1221) : AC(196), Inflammation : CK(6531) : AC(1986), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), NF-kappaB Inhibitor : CK(2446) : AC(1436)

Natural herbs are safe, effective and better options as anti-inflammatory agents than synthetic ones.

Pubmed Data : Recent Pat Inflamm Allergy Drug Discov. 2018 Jan 15. Epub 2018 Jan 15. PMID: [29336271](#)

Article Published Date : Jan 14, 2018

Authors : Mohd Iqbal Yatoo, Arumugam Gopalakrishnan, Archana Saxena, Oveas Rafiq Parray, Noore Alam Tufani, Sandip Chakraborty, Ruchi Tiwari, Kuldeep Dhama, Hafiz M N Iqbal

Study Type : Review

Additional Links

Substances : Blueberry : CK(512) : AC(174), Cat's Claw : CK(58) : AC(25), Ginger : CK(775) : AC(207), Nettle : CK(216) : AC(89), Olive : CK(842) : AC(291), Turmeric : CK(5994) : AC(2727)

Diseases : Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: [30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)

Pharmacological Actions : Adenosine deaminase inhibitor : CK(16) : AC(5), Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Interleukin-6 Downregulation : CK(3054) : AC(1144), Renoprotective : CK(1308) : AC(593), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Problem Substances : Cadmium : CK(132) : AC(26)

Possible role of common spices as a preventive and therapeutic agent for Alzheimer's disease.

Pubmed Data : Int J Prev Med. 2017 ;8:5. Epub 2017 Feb 7. PMID: [28250905](#)

Article Published Date : Dec 31, 2016

Authors : Omid Mirmosayyeb, Amirpouya Tanhaei, Hamid R Sohrabi, Ralph N Martins, Mana Tanhaei, Mohammad Amin Najafi, Ali Safaei, Rokhsareh Meamar

Study Type : Review

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Culinary Herbs and Spices : CK(8191) : AC(2341), Ginger : CK(775) : AC(207), Saffron : CK(506) : AC(119), Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871), Dementia : CK(1221) : AC(196)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Anti-Inflammatory Agents : CK(12461) : AC(4729)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: [31165450](#)

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneys Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity](#): [Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758), [Chemoprotective Agents](#) : CK(356) : AC(146)

Red ginger oil has antihyperalgesia activity in mice with chronic pain and could be developed further to be antihyperalgesia.

Pubmed Data : Pak J Pharm Sci. 2019 Jul ;32(4):1663-1669. PMID: [31608888](#)

Article Published Date : Jun 30, 2019

Authors : Fifteen April Fajrin, Azham Purwandhono, Fransisca Maria Christianty, Gati Dwi Sulistyningrum, - Afifah, Nidia Imandasari, Tsabit Barki

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Neuropathic Pain](#) : CK(528) : AC(145)

Pharmacological Actions : [Analgesics](#) : CK(2569) : AC(470) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Lipid Peroxidation](#) : CK(1178) : AC(476)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: [25889965](#)

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Honey](#) : CK(784) : AC(188)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742), [Colorectal Cancer](#) : CK(2874) : AC(1192), [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214), [Natural Substance Synergy](#) : CK(844) : AC(392)

The results suggest that the ginger extract can reduce morphine-induced neuroinflammation.

Pubmed Data : Addict Health. 2019 Apr ;11(2):66-72. PMID: [31321003](#)

Article Published Date : Mar 31, 2019

Authors : Shima Torkzadeh-Mahani, Saeed Esmaeili-Mahani, Sima Nasri, Fatemeh Darvishzadeh, Reyhaneh Naderi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Inflammation](#) : CK(686) : AC(352)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729)

Problem Substances : [Morphine](#) : CK(20) : AC(12)

The use of ginger and especially gingerols as medicinal food derivative appears to be safe in treating or preventing chronic diseases.

Pubmed Data : Adv Exp Med Biol. 2016 ;929:177-207. PMID: [27771925](#)

Article Published Date : Dec 31, 2015

Authors : Yasmin Anum Mohd Yusof

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Chronic Disease](#) : CK(84) : AC(10)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

These data provide new insights into the preventive

approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: [26915720](#)

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [High Fructose Diet](#) : CK(96) : AC(29), [Nonalcoholic fatty liver disease \(NAFLD\)](#) : CK(1160) : AC(301)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418)

These findings suggested that *Angelica sinensis* and *Zingiber officinale* may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: [31387229](#)

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study

Additional Links

Substances : [Angelica](#) : CK(94) : AC(33), [Ginger](#) : CK(775) : AC(207)

Diseases : [Colitis](#) : CK(565) : AC(262), [Inflammatory Bowel Diseases](#) : CK(1505) : AC(367)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: [26073629](#)

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

These preliminary results indicate the efficacy and safety of Movardol supplementation in the management of moderate knee osteoarthritis.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Dec ;20(24):5198-5204. PMID: [28051248](#)

Article Published Date : Nov 30, 2016

Authors : G Bolognesi, G Belcaro, B Feragalli, U Cornelli, R Cotellesse, S Hu, M Dugall

Study Type : Human Study

Additional Links

Substances : Frankincense : CK(224) : AC(41), Ginger : CK(775) : AC(207)

Diseases : Osteoarthritis: Knee : CK(517) : AC(53)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

This finding supports the contention that ginger holds positive pharmaceutical effects against osteoarthritis.

Pubmed Data : Planta Med. 2017 Feb ;83(3-04):268-276. Epub 2016 Aug 30. PMID: [27574898](#)

Article Published Date : Jan 31, 2017

Authors : Jetsada Ruangsuriya, Piyaporn Budprom, Nawarat Viriyakhasem, Patiwat Kongdang, Chatchadawalai Chokchaitaweessuk, Nutnicha Sirikaew, Siriwadee Chomdej, Korakot Nganvongpanit, Siriwan Ongchai

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Osteoarthritis : CK(770) : AC(115)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986), Metabolic Syndrome X : CK(1548) : AC(275), Obesity : CK(4406) : AC(1073)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841), Hypolipidemic : CK(3189) : AC(707)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

This review indicates that ginger possesses multiple properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: [25848702](#)

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Nausea : CK(153) : AC(17)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Chemotherapeutic : CK(397) : AC(152), Gastrointestinal Agents : CK(268) : AC(41)

Two grams of ginger may have anti-inflammation and analgesic effect on delayed onset muscle soreness.

Pubmed Data : Med J Islam Repub Iran. 2015 ;29:261. Epub 2015 Sep 12. PMID: [26793652](#)

Article Published Date : Dec 31, 2014

Authors : Khadijeh Hoseinzadeh, Farhad Daryanoosh, Parvin Javad Baghdasar, Hamid Alizadeh

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Muscle Soreness : CK(86) : AC(12)

Pharmacological Actions : Analgesics : CK(2569) : AC(470), Anti-Inflammatory Agents : CK(12461) : AC(4729)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: [27435276](#)

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Lymphoma: Dalton's : CK(3) : AC(2)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Interleukin-1 beta downregulation : CK(1743) : AC(868), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: [29966984](#)

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40), Diabetic Nephropathy : CK(394) : AC(151)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932), Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kılinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Chemoprotective Agents : CK(356) : AC(146), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasar Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: [24412620](#)

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Lung Injury: Acute](#) : CK(34) : AC(17)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: [29636837](#)

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Renoprotective](#) : CK(1308) : AC(593) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone is a promising therapeutic treatment to

attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: [29367111](#)

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: [28610995](#)

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Endotoxemia](#) : CK(83) : AC(43), [Sepsis](#) : CK(473) : AC(147)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: [30532634](#)

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-2 Downregulation](#) : CK(4) : AC(3), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone protects keratinocyte stem cells from UVB-

induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Ultraviolet Radiation Induced Damage](#) : CK(100) : AC(44)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Photoprotective](#) : CK(74) : AC(27) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: [25184525](#)

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Antibiotic Toxicity](#) : CK(63) : AC(16) , [Endotoxemia](#) : CK(83) : AC(43) , [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Hepatoprotective](#) : CK(3182) : AC(1418)

Problem Substances : [Antibiotics](#) : CK(576) : AC(102)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: [27293376](#)

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Angiogenic](#) : CK(282) : AC(192) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763) , [Vascular Endothelial Growth Factor Inhibitors](#) : CK(123) : AC(61)

Anti-Platelet (AC 1) (CK 1)

Aqueous extracts of onion, garlic and ginger inhibit platelet aggregation and may be useful as natural antithrombotic agents.

Pubmed Data : Biomed Biochim Acta. 1984;43(8-9):S335-46. PMID: [6440548](#)

Article Published Date : Jan 01, 1984

Authors : K C Srivastava

Study Type : In Vitro Study

Additional Links

Substances : [Garlic : CK\(1099\) : AC\(367\)](#), [Ginger : CK\(775\) : AC\(207\)](#), [Onion : CK\(317\) : AC\(90\)](#)

Diseases : [Thrombosis : CK\(316\) : AC\(81\)](#)

Pharmacological Actions : [Anti-Platelet : CK\(125\) : AC\(38\)](#), [Anti-thrombotic : CK\(56\) : AC\(24\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Anti-Ulcer Agents (AC 1) (CK 2)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: [30862060](#)

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Alcohol Toxicity : CK\(660\) : AC\(249\)](#), [Gastric Ulcer : CK\(289\) : AC\(117\)](#)

Pharmacological Actions : [Anti-Ulcer Agents : CK\(390\) : AC\(140\)](#), [Antioxidants : CK\(14410\) : AC\(5758\)](#), [Gastrointestinal Agents : CK\(268\) : AC\(41\)](#)

Anti-metastatic (AC 8) (CK 8)

A novel zingerone derivative and zingerone synergistically suppresses hepatocellular carcinoma metastasis.

Pubmed Data : Bioorg Med Chem Lett. 2017 02 15 ;27(4):1081-1088. Epub 2016 Dec 20. PMID: [28110870](#)

Article Published Date : Jan 14, 2017

Authors : Young-Joo Kim, Youngsic Jeon, Taejung Kim, Won-Chul Lim, Jungyeob Ham, Young Nyun Park, Tae-Jin Kim, Hyeonseok Ko

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cancer Metastasis](#) : CK(649) : AC(332), [Liver Cancer](#) : CK(1953) : AC(852)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Inflammation](#) : CK(6531) : AC(1986), [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Gastrointestinal Agents](#) : CK(268) : AC(41)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: [30009484](#)

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: [17683926](#)

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Cancer Metastasis](#) : CK(649) : AC(332)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Antiproliferative](#) : CK(4773) : AC(3450), [Matrix metalloproteinase-2 \(MMP-2\) inhibitor](#) : CK(551) : AC(315)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27), [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Gastrointestinal Cancer](#) : CK(47) : AC(14)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Anticarcinogenic Agents](#) : CK(1577) : AC(756), [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326), [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Significant Treatment Outcome](#) : CK(3038) : AC(366)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: [27290916](#)

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Cancer Metastasis : CK(649) : AC(332), Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Apoptotic : CK(5217) : AC(3846), Autophagy Inhibitors : CK(26) : AC(13)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: [26978396](#)

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review

Additional Links

Substances : Asparagus : CK(15) : AC(12), Beans: All : CK(97) : AC(26), Black Currant : CK(162) : AC(31), Cruciferous Vegetables : CK(1521) : AC(521), Ginger : CK(775) : AC(207), Grape : CK(3266) : AC(910), Plum : CK(52) : AC(18), Pomegranate : CK(968) : AC(315), Rice Bran : CK(155) : AC(44), Tomato : CK(812) : AC(168), Turmeric : CK(5994) : AC(2727)

Diseases : Liver Cancer : CK(1953) : AC(852)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Chemopreventive : CK(4220) : AC(1326), Immunomodulatory : CK(2249) : AC(733)

Additional Keywords : Natural Substance/Drug Synergy : CK(352) : AC(142)

Zerumbone suppresses osteopontin-induced cell invasion in human non-small cell lung cancer A549 cells.

Pubmed Data : J Nat Prod. 2016 Jan 22 ;79(1):156-60. Epub 2015 Dec 17. PMID: [26681550](#)

Article Published Date : Jan 21, 2016

Authors : Chi Gu Kang, Hyo-Jeong Lee, Sung-Hoon Kim, Eun-Ok Lee

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Carcinoma: Non-Small-Cell Lung : CK(264) : AC(161)

Pharmacological Actions : [Anti-metastatic : CK\(1284\) : AC\(927\)](#), [Chemotherapeutic : CK\(397\) : AC\(152\)](#)

Anti-thrombotic (AC 1) (CK 1)

Aqueous extracts of onion, garlic and ginger inhibit platelet aggregation and may be useful as natural antithrombotic agents.

Pubmed Data : Biomed Biochim Acta. 1984;43(8-9):S335-46. PMID: [6440548](#)

Article Published Date : Jan 01, 1984

Authors : K C Srivastava

Study Type : In Vitro Study

Additional Links

Substances : [Garlic : CK\(1099\) : AC\(367\)](#), [Ginger : CK\(775\) : AC\(207\)](#), [Onion : CK\(317\) : AC\(90\)](#)

Diseases : [Thrombosis : CK\(316\) : AC\(81\)](#)

Pharmacological Actions : [Anti-Platelet : CK\(125\) : AC\(38\)](#), [Anti-thrombotic : CK\(56\) : AC\(24\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Anticarcinogenic Agents (AC 6) (CK 8)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: [19003968](#)

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Colon Cancer : CK\(1217\) : AC\(742\)](#), [Lung Cancer : CK\(1741\) : AC\(742\)](#)

Pharmacological Actions : [Anticarcinogenic Agents : CK\(1577\) : AC\(756\)](#), [NF-kappaB Inhibitor :](#)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: [15304356](#)

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Antioxidants](#) : CK(14410) : AC(5758), [Phase II Detoxification Enzyme Inducer](#) : CK(78) : AC(40)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: [22006742](#)

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Chemosensitizer](#) : CK(772) : AC(577), [Radioprotective](#) : CK(1247) : AC(406)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Gastrointestinal Cancer](#) : CK(47) : AC(14)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Anticarcinogenic Agents : CK(1577) : AC(756), Apoptotic : CK(5217) : AC(3846), Chemopreventive : CK(4220) : AC(1326), Chemotherapeutic : CK(397) : AC(152)

Additional Keywords : Significant Treatment Outcome : CK(3038) : AC(366)

Zingerone could be considered as a good chemopreventive agent in experimental model of colon carcinogenesis.

Pubmed Data : Environ Toxicol. 2019 May ;34(5):610-625. Epub 2019 Feb 5. PMID: [30720227](#)

Article Published Date : Apr 30, 2019

Authors : Majid Ahmad Ganaie, Abdulaziz Al Saeedan, Hassan Madhkali, Basit Lateef Jan, Tanvir Khatlani, Ishfaq Ahmad Sheikh, Muneeb U Rehman, Khalida Wani

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Colon Cancer : CK(1217) : AC(742)

Pharmacological Actions : Anticarcinogenic Agents : CK(1577) : AC(756), Chemopreventive : CK(4220) : AC(1326)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: [31476248](#)

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Breast Cancer : CK(5066) : AC(1738), Breast Cancer: Chemically-Induced : CK(26) : AC(16)

Pharmacological Actions : Anticarcinogenic Agents : CK(1577) : AC(756), Apoptotic : CK(5217) : AC(3846), Chemopreventive : CK(4220) : AC(1326)

Anticholesteremic Agents (AC 1) (CK 10)

The herbal remedies examined had significantly beneficial effects on cholesterol in T2D patients.

Pubmed Data : Rev Diabet Stud. 2014 Fall-Winter;11(3-4):258-66. Epub 2015 Feb 10. PMID: [26177486](#)

Article Published Date : Aug 31, 2014

Authors : Paria Azimi, Reza Ghiasvand, Awat Feizi, Mitra Hariri, Behnoud Abbasi

Study Type : Human Study

Additional Links

Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207), Saffron : CK(506) : AC(119)

Diseases : Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), High Cholesterol : CK(1774) : AC(271)

Pharmacological Actions : Anticholesteremic Agents : CK(2126) : AC(382)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Antidiarrheals (AC 1) (CK 2)

Ginger and its derivatives may be effective herbal supplements for the clinical treatment of enterotoxigenic Escherichia coli diarrhea.

Pubmed Data : J Agric Food Chem. 2007 Oct 17 ;55(21):8390-7. Epub 2007 Sep 20. PMID: [17880155](#)

Article Published Date : Oct 16, 2007

Authors : Jaw-Chyun Chen, Li-Jiau Huang, Shih-Lu Wu, Sheng-Chu Kuo, Tin-Yun Ho, Chien-Yun Hsiang

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Diarrhea : CK(612) : AC(83), Escherichia coli Infections : CK(279) : AC(188)

Pharmacological Actions : Antidiarrheals : CK(110) : AC(20)

Additional Keywords : Phytotherapy : CK(2309) : AC(597)

Antiemetics (AC 3) (CK 40)

Ginger is an alternative for the prevention of postoperative nausea and vomiting.

Pubmed Data : Phytomedicine. 2018 Nov 15 ;50:8-18. Epub 2018 Sep 5. PMID: [30466995](#)

Article Published Date : Nov 14, 2018

Authors : Barbara Tóth, Tamás Lantos, Péter Hegyi, Réka Viola, Andrea Vasas, Ria Benkő, Zoltán Gyöngyi, Áron Vincze, Péter Csécsei, Alexandra Mikó, Dávid Hegyi, Andrea Szentesi, Mária Matuz, Dezső Csupor

Study Type : Meta Analysis

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Nausea: Post-Operative](#) : CK(51) : AC(6)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

Ginger root powder is effective in reducing severity of acute and delayed chemotherapy-induced nausea and vomiting as additional therapy to ondansetron and dexamethasone in patients receiving chemotherapy.

Pubmed Data : Pediatr Blood Cancer. 2010 Sep 14. Epub 2010 Sep 14. PMID: [20842754](#)

Article Published Date : Sep 14, 2010

Authors : Anu Kochanujan Pillai, Kamlesh K Sharma, Yogendra K Gupta, Sameer Bakhshi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity](#) : CK(1640) : AC(624) , [Nausea: Chemotherapy-Induced](#) : CK(173) : AC(19)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

Protein and ginger may have therapeutic value in the treatment of chemotherapy-induced delayed nausea.

Pubmed Data : J Altern Complement Med. 2008 Jun;14(5):545-51. PMID: [18537470](#)

Article Published Date : Jun 01, 2008

Authors : Max E Levine, Marcum G Gillis, Sara Yanchis Koch, Anne C Voss, Robert M Stern, Kenneth L Koch

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Protein Supplement](#) : CK(65) : AC(8)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17) , [Nausea](#) : CK(50) : AC(5)

Pharmacological Actions : [Antiemetics](#) : CK(40) : AC(4)

Antifungal Agents (AC 1) (CK 1)

Antifungal activity of essential oils against azole-resistant and azole-susceptible vaginal *Candida glabrata* strains.

Pubmed Data : Can J Microbiol. 2018 Oct ;64(10):647-663. Epub 2018 May 10. PMID: [29746162](#)

Article Published Date : Sep 30, 2018

Authors : N Massa, S Cantamessa, G Novello, E Ranzato, S Martinotti, M Pavan, A Rocchetti, G Berta, E Gamalero, E Bona

Study Type : In Vitro Study

Additional Links

Substances : [Anise](#) : CK(53) : AC(12) , [Basil](#) : CK(28) : AC(22) , [Basil](#) : CK(28) : AC(22) , [Bergamot](#) : CK(54) : AC(7) , [Ginger](#) : CK(775) : AC(207) , [Grapefruit](#) : CK(131) : AC(34) , [Lavender](#) : CK(366) : AC(47) , [Mint](#) : CK(394) : AC(63) , [Oregano](#) : CK(99) : AC(53) , [Rosemary](#) : CK(281) : AC(114) , [Tea Tree](#) : CK(130) : AC(27)

Diseases : [Candida Glabrata](#) : CK(4) : AC(2) , [Candidiasis: Vulvovaginal](#) : CK(35) : AC(9)

Pharmacological Actions : [Antifungal Agents](#) : CK(403) : AC(237)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Antigiardial agents (AC 1) (CK 2)

Ginger and cinnamon extracts had potential therapeutic effects on *G. lamblia* infection in albino rats as a promising alternative therapy to the commonly used anti giardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: [25759734](#)

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Giardiasis : CK(29) : AC(8)

Pharmacological Actions : Antigiardial agents : CK(4) : AC(2), Antioxidants : CK(14410) : AC(5758), Antiprotozoal Agents : CK(47) : AC(19)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236), Significant Treatment Outcome : CK(24) : AC(4)

Antihypertensive Agents (AC 2) (CK 4)

Ginger lowers blood pressure through blockade of voltage-dependent calcium channels.

Pubmed Data : J Cardiovasc Pharmacol. 2005 Jan;45(1):74-80. PMID: [15613983](#)

Article Published Date : Jan 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Hypertension : CK(4573) : AC(670)

Pharmacological Actions : Antihypertensive Agents : CK(2852) : AC(424), Calcium Channel Blockers : CK(87) : AC(23)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Supplementation with turmeric or ginger modulated the hydrolysis of ATP, ADP and AMP.

Pubmed Data : Phytother Res. 2016 May 6. Epub 2016 May 6. PMID: [27151061](#)

Article Published Date : May 05, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Hypertension : CK(4573) : AC(670)

Pharmacological Actions : Antihypertensive Agents : CK(2852) : AC(424)

Antimicrobial (AC 3) (CK 4)

Both in vivo and in vitro results confirm the efficacy of black pepper, ginger and thyme extracts as natural antimicrobials and suggests the possibility of using them in treatment procedures.

Pubmed Data : Int J Immunopathol Pharmacol. 2014 Oct-Dec;27(4):531-41. PMID: [25572733](#)

Article Published Date : Sep 30, 2014

Authors : M A Nassan, E H Mohamed

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Black Pepper : CK\(366\) : AC\(155\)](#), [Ginger : CK\(775\) : AC\(207\)](#), [Thyme : CK\(116\) : AC\(59\)](#)

Diseases : [Pyelonephritis : CK\(19\) : AC\(6\)](#)

Pharmacological Actions : [Antimicrobial : CK\(776\) : AC\(352\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : [Bay leaf : CK\(56\) : AC\(28\)](#), [Black Pepper : CK\(366\) : AC\(155\)](#), [Coriander : CK\(4\) : AC\(4\)](#), [Cumin : CK\(55\) : AC\(32\)](#), [Garlic : CK\(1099\) : AC\(367\)](#), [Ginger : CK\(775\) : AC\(207\)](#), [Mustard Oil : CK\(3\) : AC\(3\)](#), [Onions : CK\(2\) : AC\(2\)](#), [Turmeric : CK\(5994\) : AC\(2727\)](#)

Diseases : [Bacillus Cereus infection : CK\(12\) : AC\(12\)](#), [Escherichia coli Infections : CK\(279\) : AC\(188\)](#), [Listeria Infections : CK\(30\) : AC\(24\)](#), [Micrococcus luteus infections : CK\(3\) : AC\(3\)](#), [Salmonella Infections : CK\(57\) : AC\(35\)](#), [Staphylococcus aureus infection : CK\(305\) : AC\(219\)](#)

Pharmacological Actions : [Anti-Bacterial Agents : CK\(2088\) : AC\(821\)](#), [Antimicrobial : CK\(776\) : AC\(352\)](#), [Antioxidants : CK\(14410\) : AC\(5758\)](#)

Additional Keywords : [Essential Oils : CK\(181\) : AC\(69\)](#), [Natural Substance Synergy : CK\(844\) : AC\(392\)](#)

This study confirmed the potential of selected extracts of spices as effective natural food preservative in juices.

Pubmed Data : Int J Microbiol. 2016 ;2016:9015802. Epub 2016 Jan 4. PMID: [26880927](#)

Article Published Date : Dec 31, 2015

Authors : Romika Dhiman, Neeraj Aggarwal, Kamal Rai Aneja, Manpreet Kaur

Study Type : In Vitro Study

Additional Links

Substances : Ashwagandha : CK(289) : AC(121), Ginger : CK(775) : AC(207), Gotu Kola : CK(51) : AC(21), Indian Gooseberry : CK(7) : AC(3), Mint : CK(394) : AC(63), Terminalia : CK(26) : AC(17), Turmeric : CK(5994) : AC(2727)

Diseases : Foodborne Pathogens: Prevention/Food Preservation : CK(19) : AC(18)

Pharmacological Actions : Antimicrobial : CK(776) : AC(352), Food Preservatives : CK(1) : AC(1)

Additional Keywords : Fruit Juice : CK(85) : AC(11), Plant Extracts : CK(11762) : AC(4236)

Antineoplastic Agents (AC 5) (CK 25)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: [19061005](#)

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Liver Cancer: Prevention : CK(184) : AC(38)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antineoplastic Agents : CK(1594) : AC(982), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: [16971750](#)

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwai, Kanwaljit Chopra

Study Type : Animal Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982), Renoprotective : CK(1308) : AC(593)

Adjuvant ginger supplementation is associated with better chemotherapy-induced nausea-related quality of life and less cancer-related fatigue.

Pubmed Data : Nutrients. 2017 Aug 12 ;9(8). Epub 2017 Aug 12. PMID: [28805667](#)

Article Published Date : Aug 11, 2017

Authors : Wolfgang Marx, Alexandra L McCarthy, Karin Ried, Dan McKavanagh, Luis Vitetta, Avni Sali, Anna Lohning, Elisabeth Isenring

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Fatigue: Cancer-Associated : CK(55) : AC(7), Nausea: Chemotherapy-Induced : CK(173) : AC(19)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger (Zingiber officinale) reduces acute chemotherapy-induced nausea.

Pubmed Data : Support Care Cancer. 2012 Jul ;20(7):1479-89. Epub 2011 Aug 5. PMID: [21818642](#)

Article Published Date : Jul 01, 2012

Authors : Julie L Ryan, Charles E Heckler, Joseph A Roscoe, Shaker R Dakhil, Jeffrey Kirshner, Patrick J Flynn, Jane T Hickok, Gary R Morrow

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Nausea : CK(153) : AC(17)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982)

Additional Keywords : Phytotherapy : CK(2309) : AC(597)

Metabolites of [6]-shogol can account for the bioactivity of the parent compound, and specifically triggers

molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: [23382939](#)

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Colon Cancer : CK(1217) : AC(742) , Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Antiproliferative : CK(4773) : AC(3450) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Metabolites : CK(64) : AC(20)

Antioxidants (AC 49) (CK 109)

6-Gingerol-rich fraction from Zingiber officinale ameliorates carbendazim-induced endocrine disruption.

Pubmed Data : Andrologia. 2016 Aug 22. Epub 2016 Aug 22. PMID: [27546232](#)

Article Published Date : Aug 21, 2016

Authors : M Salihu, B O Ajayi, I A Adedara, D de Souza, J B T Rocha, E O Farombi

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Endocrine Imbalances : CK(15) : AC(5)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Problem Substances : Endocrine Disrupting Chemicals (EDCs) : CK(48) : AC(8)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: [25811848](#)

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Neuroprotective Agents](#) : CK(6374) : AC(2801) , [Nitric Oxide Inhibitor](#) : CK(390) : AC(196)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

A combined extract of purple waxy corn and ginger improves neuropathy, oxidative Stress, and axon density in streptozotocin induced diabetic rats.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:301029. Epub 2015 Apr 12. PMID: [25969689](#)

Article Published Date : Dec 31, 2014

Authors : Jintanaporn Wattanathorn, Paphaphat Thiraphatthanavong, Supaporn Muchimapura, Wipawee Thukhammee, Kamol Lertrat, Bhalang Suriharn

Study Type : Animal Study

Additional Links

Substances : [Corn: Purple](#) : CK(1) : AC(1) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#) : [Oxidative Stress](#) : CK(131) : AC(40)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: [28475920](#)

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Liver Damage: Aflatoxin-Induced](#) : CK(35) : AC(15)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Heme oxygenase-1 inducer](#) : CK(8) : AC(5) , [Hepatoprotective](#) : CK(3182) : AC(1418) , [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Aflatoxin](#) : CK(56) : AC(8)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20.

PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Aging : CK(2716) : AC(676), Alzheimer's Disease : CK(2442) : AC(871), Hypertension : CK(4573) : AC(670), Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Neuroprotective Agents : CK(6374) : AC(2801)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896), Inflammation : CK(6531) : AC(1986), Liver Disease: Oxidative Stress : CK(9) : AC(5), Muscle Soreness : CK(86) : AC(12)

Therapeutic Actions : Exercise : CK(2795) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Anti-metastatic : CK(1284) : AC(927), Antioxidants : CK(14410) : AC(5758), Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846), Gastrointestinal Agents : CK(268) : AC(41)

Administration of ginger and/or thyme has ameliorative effects on liver and kidney functions of V-line rabbits.

Pubmed Data : J Anim Physiol Anim Nutr (Berl). 2019 Aug 22. Epub 2019 Aug 22. PMID: [31441113](#)

Article Published Date : Aug 21, 2019

Authors : Mohammed Abdel-Gabbar, Rasha R Ahmed, Mohamed A Kandeil, Alaa El-Deen H Mohamed, Shimaa M Ali

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Thyme : CK(116) : AC(59)

Diseases : Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Hypolipidemic : CK(3189) : AC(707)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: [30352300](#)

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Chemoprotective Agents](#) : CK(356) : AC(146) , [Radioprotective](#) : CK(1247) : AC(406)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: [26926182](#)

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study

Additional Links

Substances : [Apple Polyphenols](#) : CK(52) : AC(25) , [EGCG \(Epigallocatechin gallate\)](#) : CK(890) : AC(477) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Advanced Glycation End products \(AGE\)](#) : CK(369) : AC(138) , [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Glycation Agents](#) : CK(46) : AC(19) , [Antioxidants](#) : CK(14410) : AC(5758) , [Nrf2 activation](#) : CK(177) : AC(86)

Combined ginger and cinnamon have significant beneficial effects on the sperm viability, motility, and serum total testosterone, LH,FSH and serum anti-oxidants level

Pubmed Data : Afr J Tradit Complement Altern Med. 2014 ;11(4):1-8. Epub 2014 Jun 4. PMID: [25392573](#)

Article Published Date : Dec 31, 2013

Authors : Arash Khaki, Amir Afshin Khaki, Laleh Hajhosseini, Farhad Sadeghpour Golzar, Nava Ainehchi

Study Type : Animal Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Spermatogenic : CK(12) : AC(2)

Comparison of phytochemicals, antioxidant and anti-inflammatory properties of sun-, oven- and freeze-dried ginger extracts.

Pubmed Data : Foods. 2019 Oct 6 ;8(10). Epub 2019 Oct 6. PMID: [31590464](#)

Article Published Date : Oct 05, 2019

Authors : Iswaibah Mustafa, Nyuk Ling Chin, Sharida Fakurazi, Arulselvan Palanisamy

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758)

Coriander and cumin seed oil combination might be used as a potential source of safe and effective natural antimicrobial and antioxidant agent.

Pubmed Data : PLoS One. 2015;10(7):e0131321. Epub 2015 Jul 1. PMID: [26132146](#)

Article Published Date : Dec 31, 2014

Authors : Anwesa Bag, Rabi Ranjan Chattopadhyay

Study Type : In Vitro Study

Additional Links

Substances : Bay leaf : CK(56) : AC(28), Black Pepper : CK(366) : AC(155), Coriander : CK(4) : AC(4), Cumin : CK(55) : AC(32), Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207), Mustard Oil : CK(3) : AC(3), Onions : CK(2) : AC(2), Turmeric : CK(5994) : AC(2727)

Diseases : Bacillus Cereus infection : CK(12) : AC(12), Escherichia coli Infections : CK(279) : AC(188), Listeria Infections : CK(30) : AC(24), Micrococcus luteus infections : CK(3) : AC(3), Salmonella Infections : CK(57) : AC(35), Staphylococcus aureus infection : CK(305) : AC(219)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821), Antimicrobial : CK(776) : AC(352), Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Essential Oils : CK(181) : AC(69), Natural Substance Synergy : CK(844) : AC(392)

Daily supplement of ginger extract started 3 days prior to chemotherapy has been shown to significantly elevate

antioxidant activity.

Pubmed Data : Cancer Manag Res. 2017 ;9:11-18. Epub 2017 Jan 31. PMID: [28203106](#)

Article Published Date : Dec 31, 2016

Authors : Kwanjit Danwilai, Jitprapa Konmun, Bung-Orn Sripanidkulchai, Suphat Subongkot

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Chemotherapeutic](#) : CK(397) : AC(152)

Dietary ginger has a protective effect on lindane-induced oxidative stress in rats.

Pubmed Data : Altern Med Rev. 2008 Mar;13(1):6-20. PMID: [18389491](#)

Article Published Date : Mar 01, 2008

Authors : Rafat S Ahmed, Sanvidhan G Suke, Vandana Seth, Ayanabha Chakraborti, Ashok K Tripathi, Basu D Banerjee

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436), [Pesticide Toxicity](#) : CK(192) : AC(61)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Chemical: Lindane](#) : CK(22) : AC(7), [Plant Extracts](#) : CK(11762) : AC(4236)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Insulin Resistance](#) : CK(2804) : AC(602), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139), [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6)

Ginger and cinnamon extracts had potential therapeutic effects on G. lamblia infection in albino rats as a

promising alternative therapy to the commonly used anti giardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: [25759734](#)

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Giardiasis : CK(29) : AC(8)

Pharmacological Actions : Anti giardial agents : CK(4) : AC(2), Antioxidants : CK(14410) : AC(5758), Antiprotozoal Agents : CK(47) : AC(19)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236), Significant Treatment Outcome : CK(24) : AC(4)

Ginger can have beneficial effects on health complications associated with unhealthy diet.

Pubmed Data : An Acad Bras Cienc. 2019 ;91(4):e20180975. Epub 2019 Nov 11. PMID: [31721920](#)

Article Published Date : Dec 31, 2018

Authors : Dalila T Leal, Gleide G Fontes, Julia K D Villa, Rodrigo B Freitas, Mateus G Campos, Camilo A Carvalho, Virginia R Pizzolo, Marisa A N Diaz

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Liver Damage : CK(1644) : AC(708)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Hepatoprotective : CK(3182) : AC(1418)

Anti Therapeutic Actions : Western Diet : CK(315) : AC(85)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: [15304356](#)

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Anticarcinogenic Agents : CK(1577) : AC(756), Antioxidants : CK(14410) : AC(5758), Phase II Detoxification Enzyme Inducer : CK(78) : AC(40)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çifci, Cüneyt Tayman, Halil Ibrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1) , [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Malondialdehyde Downregulation](#) : CK(1452) : AC(466) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger exhibits behavioral radioprotection against radiation-induced taste aversion.

Pubmed Data : Pharmacol Biochem Behav. 2006 Jun;84(2):179-88. Epub 2006 Jun 21. PMID: [16797061](#)

Article Published Date : Jun 01, 2006

Authors : Anupum Haksar, Ashok Sharma, Raman Chawla, Raj Kumar, Rajesh Arora, Surender Singh, J Prasad, M Gupta, R P Tripathi, M P Arora, F Islam, R K Sharma

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Radioprotective](#) : CK(1247) : AC(406)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3:134664. Epub 2019 Nov 3. PMID: [31757552](#)

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya,

Mohamed M Abdel-Daim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bisphenol Toxicity](#) : CK(1832) : AC(549)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 up-regulation](#) : CK(73) : AC(40), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Bisphenol A](#) : CK(2216) : AC(646)

Ginger extract has an ameliorative effect on paraben-induced lipid peroxidation in the liver of mice.

Pubmed Data : Acta Pol Pharm. 2009 May-Jun;66(3):225-8. PMID: [19645321](#)

Article Published Date : May 01, 2009

Authors : Veena M Asnani, Ramtej J Verma

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Parabens-Associated Toxicity](#) : CK(16) : AC(5)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger extracts could have a potent protective effects against nephrotoxicity induced by various toxicants.

Pubmed Data : Saudi J Biol Sci. 2019 Feb ;26(2):382-389. Epub 2017 Aug 18. PMID: [31485182](#)

Article Published Date : Jan 31, 2019

Authors : Sami A Gabr, Ahmad H Alghadir, Gehan A Ghoniem

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Renoprotective](#) : CK(1308) : AC(593)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Ginger extracts, including the water extract possess the antioxidant activities to inhibit human LDL oxidation in vitro.

Pubmed Data : J Med Food. 2014 Apr ;17(4):424-31. Epub 2014 Jan 9. PMID: [24404979](#)

Article Published Date : Mar 31, 2014

Authors : K D Prasanna P Gunathilake, H P Vasantha Rupasinghe

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207)

Diseases : Cholesterol: Oxidation : CK(518) : AC(117)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: [15453957](#)

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Oxidative Stress : CK(6519) : AC(2436) , Radiation Induced Illness : CK(1048) : AC(265)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758) , Radioprotective : CK(1247) : AC(406)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger significantly reduces paraben induced lipid peroxidation in liver and kidney cells.

Pubmed Data : Acta Pol Pharm. 2007 Jan-Feb;64(1):35-7. PMID: [17665848](#)

Article Published Date : Jan 01, 2007

Authors : Veena Asnani, Ramtej Jayram Verma

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Parabens-Associated Toxicity : CK(16) : AC(5)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: [27089418](#)

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Tuberculosis : CK(440) : AC(64)

Therapeutic Actions : Integrative Medicine : CK(312) : AC(45)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Malondialdehyde Down-regulation : CK(1452) : AC(466), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: [26667466](#)

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Chemically-Induced Liver Damage : CK(1157) : AC(504), Lipid Peroxidation : CK(1178) : AC(476), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Hepatoprotective : CK(3182) : AC(1418)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Aging : CK(2716) : AC(676), Cancers: All : CK(22165) : AC(7896), Cardiovascular Diseases : CK(10121) : AC(1456), Dementia : CK(1221) : AC(196), Inflammation : CK(6531) : AC(1986), Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), NF-kappaB Inhibitor : CK(2446) : AC(1436)

Protective effect of zingerone against mouse testicular damage induced by zinc oxide nanoparticles.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jul 3. Epub 2019 Jul 3. PMID: [31270769](#)

Article Published Date : Jul 02, 2019

Authors : Zeinab Rafiee, Layasadat Khorsandi, Fereshteh Nejad-Dehbashi

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Testicular Injury: Chemical/Metal Induced](#) : CK(8) : AC(4)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Spermatogenic](#) : CK(12) : AC(2)

Problem Substances : [Nanoparticles](#) : CK(35) : AC(24), [Zinc Oxide](#) : CK(18) : AC(8)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: [31165450](#)

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneys Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Chemoprotective Agents](#) : CK(356) : AC(146)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Lipid Peroxidation](#) : CK(1178) : AC(476)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

The use of ginger and especially gingerols as medicinal food derivative appears to be safe in treating or preventing chronic diseases.

Pubmed Data : Adv Exp Med Biol. 2016 ;929:177-207. PMID: [27771925](#)

Article Published Date : Dec 31, 2015

Authors : Yasmin Anum Mohd Yusof

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Chronic Disease](#) : CK(84) : AC(10)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: [26915720](#)

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [High Fructose Diet](#) : CK(96) : AC(29) , [Nonalcoholic fatty liver disease \(NAFLD\)](#) : CK(1160) : AC(301)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Hepatoprotective](#) : CK(3182) : AC(1418)

These findings suggested that Angelica sinensis and Zingiber officinale may be a promising supplement for current IBD therapy.

Pubmed Data : Int J Mol Sci. 2019 Aug 5 ;20(15). Epub 2019 Aug 5. PMID: [31387229](#)

Article Published Date : Aug 04, 2019

Authors : Jia Liu, Ling Yu, Nuolan Mo, Hai Lan, Yan Zhang, Xin Liu, Qing Wu

Study Type : Animal Study

Additional Links

Substances : [Angelica](#) : CK(94) : AC(33) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Colitis](#) : CK(565) : AC(262) , [Inflammatory Bowel Diseases](#) : CK(1505) : AC(367)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758)

These preliminary results indicate the efficacy and safety of Movardol supplementation in the management of moderate knee osteoarthritis.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Dec ;20(24):5198-5204. PMID: [28051248](#)

Article Published Date : Nov 30, 2016

Authors : G Bolognesi, G Belcaro, B Feragalli, U Cornelli, R Cotellesse, S Hu, M Dugall

Study Type : Human Study

Additional Links

Substances : [Frankincense](#) : CK(224) : AC(41), [Ginger](#) : CK(775) : AC(207)

Diseases : [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Metabolic Syndrome X](#) : CK(1548) : AC(275), [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: [27496583](#)

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Cytoprotective](#) : CK(190) : AC(94), [Detoxifier](#) : CK(512) : AC(171)

Z. officinale paste could be used as natural spice and a

potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: [27435276](#)

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Lymphoma](#): Dalton's : CK(3) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Z. officinale rhizome extract exerts a protective role against diabetes-induced renal injury.

Pubmed Data : Biomed Pharmacother. 2018 Jun 29 ;106:381-389. Epub 2018 Jun 29. PMID: [29966984](#)

Article Published Date : Jun 28, 2018

Authors : Amir M Al Hroob, Mohammad H Abukhalil, Reham D Alghonmeen, Ayman M Mahmoud

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40), [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: [30862060](#)

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshtir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Gastric Ulcer](#) : CK(289) : AC(117)

Pharmacological Actions : [Anti-Ulcer Agents](#) : CK(390) : AC(140) , [Antioxidants](#) : CK(14410) : AC(5758), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: [28982542](#)

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Antioxidants](#) : CK(14410) : AC(5758), [Cardioprotective](#) : CK(3412) : AC(1032)

Problem Substances : [Isoproterenol](#) : CK(1) : AC(1)

Zingerone produced marked improvement in stress induced irritable bowel disorder

Pubmed Data : Phytomedicine. 2014 Mar 15 ;21(4):423-9. Epub 2013 Nov 18. PMID: [24262066](#)

Article Published Date : Mar 14, 2014

Authors : David Banji, Otilia J F Banji, Bandlapalli Pavani, Ch Kranthi Kumar, A R Annamalai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Irritable Bowel Syndrome](#) : CK(720) : AC(93) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: [25271244](#)

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Lipid Peroxidation](#) : CK(1178) : AC(476), [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Cardioprotective](#) : CK(3412) : AC(1032)

Problem Substances : [Isoproterenol](#) : CK(1) : AC(1)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: [30532634](#)

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-2 Downregulation](#) : CK(4) : AC(3), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone protects against stannous chloride-induced and hydrogen peroxide-induced oxidative DNA damage.

Pubmed Data : Biol Trace Elem Res. 2013 Dec ;155(3):455-9. Epub 2013 Sep 5. PMID: [24006104](#)

Article Published Date : Nov 30, 2013

Authors : Iyappan Rajan, Nithya Narayanan, Remitha Rabindran, P R Jayasree, P R Manish Kumar

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Genoprotective](#) : CK(413) : AC(148)

Zingiber officinale extract and 6-gingerol provide

protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: [28494418](#)

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Mercury Poisoning](#) : CK(390) : AC(111)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418), [Renoprotective](#) : CK(1308) : AC(593)

Problem Substances : [Mercury](#) : CK(237) : AC(38)

zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β -cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: [31389247](#)

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Hypolipidemic](#) : CK(3189) : AC(707)

Antiparasitic Agents (AC 5) (CK 6)

A review of medicinal plants that exhibit anti-Toxoplasma effects.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):730-4. Epub 2016 Jun 28. PMID: [27569880](#)

Article Published Date : Jul 31, 2016

Authors : Ibrahim Al Nasr, Faiyaz Ahmed, Fawaz Pullishery, Saeed El-Ashram, Vardharajula Venkata Ramaiah

Study Type : Review

Additional Links

Substances : [Capparis spinosa \(caper\) : CK\(18\) : AC\(12\)](#) , [Ginger : CK\(775\) : AC\(207\)](#) , [Juniper : CK\(26\) : AC\(19\)](#) , [Myrrh : CK\(48\) : AC\(19\)](#) , [Sophora Flavescens : CK\(43\) : AC\(17\)](#) , [Tongkat Ali : CK\(49\) : AC\(14\)](#) , [Turmeric : CK\(5994\) : AC\(2727\)](#)

Diseases : [Toxoplasma gondii Infection : CK\(380\) : AC\(68\)](#)

Pharmacological Actions : [Antiparasitic Agents : CK\(150\) : AC\(84\)](#)

Andrographis, Tinospora and especially Zingiber officinale (ginger) have anti-parasitic activity against canine dirofilariasis (heartworm).

Pubmed Data : [Res Vet Sci. 2010 Feb;88\(1\):142-7. Epub 2009 Jun 4. PMID: 19500810](#)

Article Published Date : Feb 01, 2010

Authors : [L T Merawin](#), [A K Arifah](#), [R A Sani](#), [M N Somchit](#), [A Zuraini](#), [S Ganabadi](#), [Z A Zakaria](#)

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Dog Diseases : CK\(3\) : AC\(2\)](#) , [Pets: Heartworm : CK\(3\) : AC\(2\)](#)

Pharmacological Actions : [Antiparasitic Agents : CK\(150\) : AC\(84\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Ginger (intravenous) exhibits antiparasitic activity against Dirofilaria immitis (heartworm).

Pubmed Data : [J Helminthol. 1987 Sep;61\(3\):268-70. PMID: 3668217](#)

Article Published Date : Sep 01, 1987

Authors : [A Datta](#), [N C Sukul](#)

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Dog Diseases : CK\(3\) : AC\(2\)](#) , [Pets: Heartworm : CK\(3\) : AC\(2\)](#)

Pharmacological Actions : [Antiparasitic Agents : CK\(150\) : AC\(84\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Ginger and garlic treatment significantly lowered the number of the blastocystis hominis parasites.

Pubmed Data : [J Egypt Soc Parasitol. 2015 Apr ;45\(1\):93-100. PMID: 26012223](#)

Article Published Date : Mar 31, 2015

Authors : [Ekhlas H Abdel-Hafeez](#), [Azza K Ahmad](#), [Noha H Andelgelil](#), [Manal Z M Abdellatif](#), [Amany M Kamal](#), [Rabie M Mohamed](#)

Study Type : In Vitro Study

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207), [Onion](#) : CK(317) : AC(90), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Parasitic Intestinal Diseases](#) : CK(17) : AC(11)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84)

Ginger has an important anti-hydatic effect in vitro.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):749-56. Epub 2016 Jun 29. PMID: [27569883](#)

Article Published Date : Jul 31, 2016

Authors : Manel Amri, Chafia Touil-Boukoffa

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Hydatidosis](#) : CK(1) : AC(1)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84), [Immunomodulatory](#) : CK(2249) : AC(733)

Antiproliferative (AC 17) (CK 22)

6-Dehydrogingerdione, an active constituent of dietary ginger, induces cell cycle arrest and programmed cell death in human breast cancer cells.

Pubmed Data : Mol Nutr Food Res. 2010 Feb 19. Epub 2010 Feb 19. PMID: [20175081](#)

Article Published Date : Feb 19, 2010

Authors : Ya-Ling Hsu, Chung-Yi Chen, Ming-Feng Hou, Eing-Mei Tsai, Yuh-Jyh Jong, Chih-Hsing Hung, Po-Lin Kuo

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

6-gingerol a component of ginger is extensively metabolized in H-1299 human lung cancer cells.

Pubmed Data : J Agric Food Chem. 2012 Nov 14 ;60(45):11372-7. Epub 2012 Nov 6. PMID:

[23066935](#)

Article Published Date : Nov 13, 2012

Authors : Lishuang Lv, Huadong Chen, Dominique Soroka, Xiaoxin Chen, TinChung Leung, Shengmin Sang

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers](#) : CK(7) : AC(3), [Carcinoma: Non-Small-Cell Lung](#) : CK(264) : AC(161), [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450)

Additional Keywords : [Biotransformation](#) : CK(5) : AC(1), [Plant Extracts](#) : CK(11762) : AC(4236)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: [19481070](#)

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Skin Cancer: Squamous Cell](#) : CK(56) : AC(20)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Inflammation](#) : CK(6531) : AC(1986), [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Gastrointestinal Agents](#) : CK(268) : AC(41)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: [30009484](#)

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Anti-metastatic](#) : CK(1284) : AC(927) , [Antiproliferative](#) : CK(4773) : AC(3450) , [Apoptotic](#) : CK(5217) : AC(3846)

Curcuma rhizome, a main representant of Zingiberaceae family may be a promising natural source for active compounds against malignant melanoma.

Pubmed Data : Biol Res. 2015 Jan 12 ;48(1):1. Epub 2015 Jan 12. PMID: [25654588](#)

Article Published Date : Jan 11, 2015

Authors : Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hancianu, Dorina E Coricovac, Sorina A Ciurlea, Codruța M Șoica, Iosif Marincu, Vicentiu Vlaia, Cristina A Dehelean, Cristina Trandafirescu

Study Type : In Vitro Study

Additional Links

Substances : [Curcuma Longa](#) : CK(5) : AC(4) , [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Malignant Melanoma](#) : CK(34) : AC(16)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450) , [Apoptotic](#) : CK(5217) : AC(3846)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: [30119267](#)

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846) , [Chemosensitizer](#) : CK(772) : AC(577)

Additional Keywords : [Chemotherapeutic Synergy: Mitomycin C](#) : CK(6) : AC(5) , [Essential Oils](#) : CK(181) : AC(69)

Ginger exhibits anti-lung cancer properties.

Pubmed Data : J Med Food. 2010 Dec;13(6):1347-54. PMID: [21091248](#)

Article Published Date : Dec 01, 2010

Authors : Wirote Tuntiwechapikul, Thanachai Taka, Chonnipa Songsomboon, Navakoon Kaewtunjai, Arisa Imsumran, Luksana Makonkawkeyoon, Wilart Pompimon, T Randall Lee

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11) , [Ginger](#) : CK(775) : AC(207)

Diseases : [Lung Cancer](#) : CK(1741) : AC(742)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Telomerase Inhibitor](#) : CK(55) : AC(35)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger extract inhibited cell proliferation and subsequently induced the autotic death of pancreatic cancer Panc-1 cells.

Pubmed Data : PLoS One. 2015 ;10(5):e0126605. Epub 2015 May 11. PMID: [25961833](#)

Article Published Date : Dec 31, 2014

Authors : Miho Akimoto, Mari Iizuka, Rie Kanematsu, Masato Yoshida, Keizo Takenaga

Study Type : Animal Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27) , [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Autophagy Up-regulation](#) : CK(296) : AC(197)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: [28872603](#)

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: Drug Resistant : CK(562) : AC(369) , Prostate Cancer : CK(2097) : AC(687)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Chemotherapeutic : CK(397) : AC(152)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: [30414900](#)

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Liver Cancer : CK(1953) : AC(852)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846), Cell cycle arrest : CK(1289) : AC(1006)

Additional Keywords : Polysaccharides : CK(5) : AC(3)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: [30659535](#)

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Angiogenesis Inhibitors : CK(114) : AC(62), Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846)

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: [17683926](#)

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Breast Cancer : CK(5066) : AC(1738), Cancer Metastasis : CK(649) : AC(332)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Antiproliferative : CK(4773) : AC(3450), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(551) : AC(315)

Metabolites of [6]-shogaol can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: [23382939](#)

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Colon Cancer : CK(1217) : AC(742), Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982), Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846), Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Metabolites : CK(64) : AC(20)

These results indicated that the effective components of Pinelliae extract for Purging Stomach-Fire in gastric cancer treatment were pinelliae and dried ginger.

Pubmed Data : Am J Transl Res. 2016 ;8(7):2937-46. Epub 2016 Jul 15. PMID: [27508014](#)

Article Published Date : Dec 31, 2015

Authors : Xi-Ping Liu, Hai-Xia Ming, Pei-Qing Li

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Pinellia : CK(3) : AC(2)

Diseases : Gastric Cancer : CK(836) : AC(341)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846)

Turmeric and ginger essential oils could induce apoptosis in cervical cancer cells.

Pubmed Data : ScientificWorldJournal. 2016 ;2016:9273078. Epub 2016 Nov 30. PMID: [28042599](#)

Article Published Date : Dec 31, 2015

Authors : P A S R Santos, G B Avanço, S B Nerilo, R I A Marcelino, V Janeiro, M C Valadares, Miguel

Machinski

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Zingiber zerumbet (a member of the ginger family) contains compounds that inhibit histone deacetylase and exhibited growth inhibitory activity on various human tumor cell lines.

Pubmed Data : Pharmazie. 2008 Oct;63(10):774-6. PMID: [18972844](#)

Article Published Date : Oct 01, 2008

Authors : Ill-Min Chung, Min-Young Kim, Won-Hwan Park, Hyung-In Moon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Tumors](#) : CK(205) : AC(120)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Histone deacetylase inhibitor](#) : CK(48) : AC(37)

Antiprotozoal Agents (AC 2) (CK 4)

Ginger and Turmeric extracts may represent effective and natural therapeutic alternatives in the treatment of giardiasis.

Pubmed Data : Parasitol Res. 2016 Mar 16. Epub 2016 Mar 16. PMID: [26984104](#)

Article Published Date : Mar 15, 2016

Authors : Ahmad K Dyab, Doaa A Yones, Zedan Z Ibraheim, Tasneem M Hassan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Giardiasis](#) : CK(29) : AC(8)

Pharmacological Actions : [Antiprotozoal Agents](#) : CK(47) : AC(19), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Additional Keywords : [Dose Response : CK\(1519\) : AC\(574\)](#)

Ginger and cinnamon extracts had potential therapeutic effects on *G. lamblia* infection in albino rats as a promising alternative therapy to the commonly used anti giardial drugs.

Pubmed Data : Iran J Parasitol. 2014 Oct-Dec;9(4):530-40. PMID: [25759734](#)

Article Published Date : Sep 30, 2014

Authors : Abeer Mahmoud, Rasha Attia, Safaa Said, Zedan Ibraheim

Study Type : Animal Study

Additional Links

Substances : [Cinnamon : CK\(309\) : AC\(119\)](#), [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Giardiasis : CK\(29\) : AC\(8\)](#)

Pharmacological Actions : [Antigiardial agents : CK\(4\) : AC\(2\)](#), [Antioxidants : CK\(14410\) : AC\(5758\)](#), [Antiprotozoal Agents : CK\(47\) : AC\(19\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#), [Significant Treatment Outcome : CK\(24\) : AC\(4\)](#)

Antispasmodic (AC 1) (CK 1)

Ginger is useful in gastrointestinal disorders due to its spasmolytic activity.

Pubmed Data : Dig Dis Sci. 2005 Oct;50(10):1889-97. PMID: [16187193](#)

Article Published Date : Oct 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Colic : CK\(135\) : AC\(18\)](#), [Diarrhea : CK\(612\) : AC\(83\)](#), [Dyspepsia : CK\(254\) : AC\(29\)](#)

Pharmacological Actions : [Antispasmodic : CK\(132\) : AC\(32\)](#)

Antiviral Agents (AC 5) (CK 10)

Fresh ginger (*Zingiber officinale*) has anti-viral activity against human respiratory syncytial virus in human respiratory tract cell lines.

Pubmed Data : J Ethnopharmacol. 2012 Nov 1. Epub 2012 Nov 1. PMID: [23123794](#)

Article Published Date : Nov 01, 2012

Authors : Jung San Chang, Kuo Chih Wang, Chia Feng Yeh, Den En Shieh, Lien Chai Chiang

Study Type : Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Respiratory Syncytial Virus Infections](#) : CK(79) : AC(26)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Additional Keywords : [Fresh Versus Dried Potencies](#) : CK(5) : AC(1)

Ginger contains compounds which inhibit rhinoviral activity.

Pubmed Data : Brain Res. 2004 Sep 10;1020(1-2):1-11. PMID: [8064299](#)

Article Published Date : Sep 10, 2004

Authors : C V Denyer, P Jackson, D M Loakes, M R Ellis, D A Young

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Rhinovirus Infection](#) : CK(39) : AC(20)

Pharmacological Actions : [Antiviral Agents](#) : CK(1307) : AC(596)

Ginger may have anti- avian influenza virus H9N2 potential.

Pubmed Data : Pak J Pharm Sci. 2017 Jul ;30(4):1341-1344. PMID: [29039335](#)

Article Published Date : Jun 30, 2017

Authors : Amir Rasool, Muti-Ur-Rehman Khan, Muhammad Asad Ali, Aftab Ahmad Anjum, Ishtiaq Ahmed, Asim Aslam, Ghulam Mustafa, Saima Masood, Muhammad Amjad Ali, Muhammad Nawaz

Study Type : In Vitro Study

Additional Links

Substances : [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207)

Diseases : [Avian Influenza](#) : CK(25) : AC(13)

Pharmacological Actions : [Antiviral Agents : CK\(1307\) : AC\(596\)](#)

Various extracts of ginger inhibit Cytomegalovirus, HSV-1, and HIV virus.

Pubmed Data : Pharmazie. 2006 Aug;61(8):717-21. PMID: [16964717](#)

Article Published Date : Aug 01, 2006

Authors : K Sookkongwaree, M Geitmann, S Roengsumran, A Petsom, U H Danielson

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Cytomegalovirus Infections : CK\(99\) : AC\(37\)](#) , [HIV Infections : CK\(849\) : AC\(260\)](#) , [HSV-1 : CK\(53\) : AC\(44\)](#)

Pharmacological Actions : [Antiviral Agents : CK\(1307\) : AC\(596\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Zingiberaceae species (e.g. ginger) contain compounds that inhibit Epstein-Barr virus activation.

Pubmed Data : Br J Cancer. 1999 Apr;80(1-2):110-6. PMID: [10389986](#)

Article Published Date : Apr 01, 1999

Authors : S Vimala, A W Norhanom, M Yadav

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Epstein-Barr Virus Infections : CK\(132\) : AC\(47\)](#)

Pharmacological Actions : [Antiviral Agents : CK\(1307\) : AC\(596\)](#)

Apoptotic (AC 24) (CK 31)

6-Dehydrogingerdione, an active constituent of dietary ginger, induces cell cycle arrest and programmed cell death in human breast cancer cells.

Pubmed Data : Mol Nutr Food Res. 2010 Feb 19. Epub 2010 Feb 19. PMID: [20175081](#)

Article Published Date : Feb 19, 2010

Authors : Ya-Ling Hsu, Chung-Yi Chen, Ming-Feng Hou, Eing-Mei Tsai, Yuh-Jyh Jong, Chih-Hsing

Hung, Po-Lin Kuo

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: [19481070](#)

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Skin Cancer: Squamous Cell](#) : CK(56) : AC(20)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Inflammation](#) : CK(6531) : AC(1986), [Liver Disease: Oxidative Stress](#) : CK(9) : AC(5), [Muscle Soreness](#) : CK(86) : AC(12)

Therapeutic Actions : [Exercise](#) : CK(2795) : AC(411)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antioxidants](#) : CK(14410) : AC(5758), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Gastrointestinal Agents](#) : CK(268) : AC(41)

A review of the protective and therapeutic potential of ginger extract and 6-gingerol in cancer.

Pubmed Data : Phytother Res. 2018 Jul 16. Epub 2018 Jul 16. PMID: [30009484](#)

Article Published Date : Jul 15, 2018

Authors : Rosália Maria Tôrres de Lima, Antonielly Campinho Dos Reis, Ag-Anne Pereira Melo de Menezes, José Victor de Oliveira Santos, José Williams Gomes de Oliveira Filho, José Roberto de Oliveira Ferreira, Marcus Vinícius Oliveira Barros de Alencar, Ana Maria Oliveira Ferreira da Mata, Ishaq N Khan, Amirul Islam, Shaikh Jamal Uddin, Eunüs S Ali, Muhammad Torequl Islam, Swati Tripathi, Siddhartha Kumar Mishra, Mohammad S Mubarak, Ana Amélia de Carvalho Melo-Cavalcante

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Anti-metastatic](#) : CK(1284) : AC(927), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Alzheimer's disease drug discovery from herbs: neuroprotectivity from beta-amyloid (1-42) insult.

Pubmed Data : J Altern Complement Med. 2007 Apr ;13(3):333-40. PMID: [17480132](#)

Article Published Date : Apr 01, 2007

Authors : Darrick S H L Kim, Jin-Yung Kim, Ye Sun Han

Study Type : In Vitro Study

Additional Links

Substances : [Chinese Skullcap](#) : CK(128) : AC(67), [Ginger](#) : CK(775) : AC(207), [Ginkgo biloba](#) : CK(936) : AC(218)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Curcuma rhizome, a main representant of Zingiberaceae family may be a promising natural source for active compounds against malignant melanoma.

Pubmed Data : Biol Res. 2015 Jan 12 ;48(1):1. Epub 2015 Jan 12. PMID: [25654588](#)

Article Published Date : Jan 11, 2015

Authors : Corina Danciu, Lavinia Vlaia, Florinela Fetea, Monica Hancianu, Dorina E Coricovac, Sorina A Ciurlea, Codruța M Șoica, Iosif Marincu, Vicentiu Vlaia, Cristina A Dehelean, Cristina Trandafirescu

Study Type : In Vitro Study

Additional Links

Substances : [Curcuma Longa](#) : CK(5) : AC(4), [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Malignant Melanoma](#) : CK(34) : AC(16)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: [30119267](#)

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846) , [Chemosensitizer](#) : CK(772) : AC(577)

Additional Keywords : [Chemotherapeutic Synergy: Mitomycin C](#) : CK(6) : AC(5) , [Essential Oils](#) : CK(181) : AC(69)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: [22969274](#)

Article Published Date : Jan 01, 2012

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846) , [Bax/Bcl2 Ratio: Decrease](#) : CK(15) : AC(9), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: [30414900](#)

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer](#) : CK(1953) : AC(852)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846) , [Cell cycle arrest](#) : CK(1289) : AC(1006)

Additional Keywords : [Polysaccharides](#) : CK(5) : AC(3)

Ginger: A novel strategy to battle cancer through modulating cell signalling pathways.

Pubmed Data : Curr Pharm Biotechnol. 2019 Jan 19. Epub 2019 Jan 19. PMID: [30659535](#)

Article Published Date : Jan 18, 2019

Authors : Ahmad Almatroudi, Mohammed A Alsahli, Faris Alrumaihi, Khaled S Allemailem, Arshad Husain Rahmani

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Angiogenesis Inhibitors](#) : CK(114) : AC(62), [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: [25034532](#)

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Glioblastoma](#) : CK(398) : AC(193)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [TRAIL sensitizer](#) : CK(3) : AC(2)

Additional Keywords : [Apoptosis Regulatory Proteins](#) : CK(1) : AC(1)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27), [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Gastrointestinal Cancer](#) : CK(47) : AC(14)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Anticarcinogenic Agents](#) :

CK(1577) : AC(756), Apoptotic : CK(5217) : AC(3846), Chemopreventive : CK(4220) : AC(1326), Chemotherapeutic : CK(397) : AC(152)

Additional Keywords : Significant Treatment Outcome : CK(3038) : AC(366)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: [27290916](#)

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Cancer Metastasis : CK(649) : AC(332), Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Apoptotic : CK(5217) : AC(3846), Autophagy Inhibitors : CK(26) : AC(13)

Kampo preparation Daikenchuto could be useful for cancer therapy.

Pubmed Data : J Nat Med. 2016 Apr 8. Epub 2016 Apr 8. PMID: [27059786](#)

Article Published Date : Apr 07, 2016

Authors : Takuya Nagata, Kazufumi Toume, Lv Xiao Long, Katsuhisa Hirano, Toru Watanabe, Shinichi Sekine, Tomoyuki Okumura, Katsuko Komatsu, Kazuhiro Tsukada

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Ginseng : CK(1848) : AC(806)

Diseases : Breast Cancer : CK(5066) : AC(1738), Colon Cancer : CK(1217) : AC(742), Esophageal Cancer : CK(666) : AC(141), Gastric Cancer : CK(836) : AC(341)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: [25939344](#)

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Turmeric : CK(5994) : AC(2727)

Diseases : Rhabdomyosarcoma : CK(8) : AC(5)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Bcl-2 protein down-regulation : CK(419) : AC(295) , Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645) , NF-kappaB Inhibitor : CK(2446) : AC(1436) , Tumor Suppressor Protein p53 Upregulation : CK(480) : AC(343)

Additional Keywords : Gene Expression Regulation : CK(431) : AC(214) , Natural Substance/Drug Synergy : CK(352) : AC(142) , Significant Treatment Outcome : CK(3038) : AC(366)

Metabolites of [6]-shogaol can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: [23382939](#)

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Colon Cancer : CK(1217) : AC(742) , Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Antiproliferative : CK(4773) : AC(3450) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Metabolites : CK(64) : AC(20)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: [26434873](#)

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Honey : CK(784) : AC(188)

Diseases : Colon Cancer : CK(1217) : AC(742)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326) , Wnt/ β -catenin signaling pathway modulation : CK(36) : AC(24)

Additional Keywords : Dose Response : CK(1519) : AC(574) , Gene Expression Regulation : CK(431) : AC(214) , Plant Extracts : CK(11762) : AC(4236)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for

inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: [25889965](#)

Article Published Date : Dec 31, 2014

Authors : Analhuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Honey](#) : CK(784) : AC(188)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742) , [Colorectal Cancer](#) : CK(2874) : AC(1192) , [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Apoptotic](#) : CK(5217) : AC(3846) , [Chemopreventive](#) : CK(4220) : AC(1326)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214) , [Natural Substance Synergy](#) : CK(844) : AC(392)

These results indicated that the effective components of Pinelliae extract for Purging Stomach-Fire in gastric cancer treatment were pinelliae and dried ginger.

Pubmed Data : Am J Transl Res. 2016 ;8(7):2937-46. Epub 2016 Jul 15. PMID: [27508014](#)

Article Published Date : Dec 31, 2015

Authors : Xi-Ping Liu, Hai-Xia Ming, Pei-Qing Li

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Pinellia](#) : CK(3) : AC(2)

Diseases : [Gastric Cancer](#) : CK(836) : AC(341)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450) , [Apoptotic](#) : CK(5217) : AC(3846)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: [26063410](#)

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295) , [Chemosensitizer](#) : CK(772) : AC(577) , [Survivin Down-Regulation](#) : CK(15) : AC(13)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Turmeric and ginger essential oils could induce apoptosis in cervical cancer cells.

Pubmed Data : ScientificWorldJournal. 2016 ;2016:9273078. Epub 2016 Nov 30. PMID: [28042599](#)

Article Published Date : Dec 31, 2015

Authors : P A S R Santos, G B Avanço, S B Nerilo, R I A Marcelino, V Janeiro, M C Valadares, Miguel Machinski

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Whole ginger extract reduces prostate tumor size by 56% in mice.

Pubmed Data : Br J Nutr. 2011 Aug 18:1-12. Epub 2011 Aug 18. PMID: [21849094](#)

Article Published Date : Aug 18, 2011

Authors : Prasanthi Karna, Sharmeen Chagani, Sushma R Gundala, Padmashree C G Rida, Ghazia Asif, Vibhuti Sharma, Meenakshi V Gupta, Ritu Aneja

Study Type : Transgenic Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Prostate Cancer](#) : CK(2097) : AC(687)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: [22454691](#)

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zerumbone](#) : CK(46) : AC(24)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Caspase-3 Activation](#) : CK(137) : AC(90), [P21 Activation](#) : CK(72) : AC(47), [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Zerumbone](#) : CK(5) : AC(1)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: [31476248](#)

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738), [Breast Cancer: Chemically-Induced](#) : CK(26) : AC(16)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756), [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326)

Autophagy Inhibitors (AC 1) (CK 1)

In vivo and in vitro studies have established that phenolic components of ginger induce apoptosis and autophagy and inhibit metastasis.

Pubmed Data : Curr Pharm Des. 2016 Jun 8. Epub 2016 Jun 8. PMID: [27290916](#)

Article Published Date : Jun 07, 2016

Authors : Indu Pal Kaur, Parneet Kaur Deol, Kanthi Kiran, Mahendra Bishnoi

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27), [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancer Metastasis](#) : CK(649) : AC(332), [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Apoptotic](#) : CK(5217) : AC(3846), [Autophagy Inhibitors](#) : CK(26) : AC(13)

Autophagy Up-regulation (AC 1) (CK 2)

Ginger extract inhibited cell proliferation and subsequently induced the autotic death of pancreatic cancer Panc-1 cells.

Pubmed Data : PLoS One. 2015 ;10(5):e0126605. Epub 2015 May 11. PMID: [25961833](#)

Article Published Date : Dec 31, 2014

Authors : Miho Akimoto, Mari Iizuka, Rie Kanematsu, Masato Yoshida, Keizo Takenaga

Study Type : Animal Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Pancreatic Cancer : CK(1127) : AC(363)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Autophagy Up-regulation : CK(296) : AC(197)

Bax/Bcl2 Ratio: Decrease (AC 1) (CK 2)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: [22969274](#)

Article Published Date : Jan 01, 2012

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Breast Cancer : CK(5066) : AC(1738)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Bax/Bcl2 Ratio: Decrease : CK(15) : AC(9), Bcl-2 protein down-regulation : CK(419) : AC(295)

Bcl-2 protein down-regulation (AC 5) (CK 7)

Ginger has significant anti-breast cancer properties.

Pubmed Data : J Biomed Biotechnol. 2012 ;2012:614356. Epub 2012 Aug 26. PMID: [22969274](#)

Article Published Date : Jan 01, 2012

Authors : Ayman I Elkady, Osama A Abuzinadah, Nabih A Baeshen, Tarek R Rahmy

Study Type : Insect Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bax/Bcl2 Ratio: Decrease](#) : CK(15) : AC(9), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: [25034532](#)

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Glioblastoma](#) : CK(398) : AC(193)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [TRAIL sensitizer](#) : CK(3) : AC(2)

Additional Keywords : [Apoptosis Regulatory Proteins](#) : CK(1) : AC(1)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: [25939344](#)

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Rhabdomyosarcoma](#) : CK(8) : AC(5)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214), [Natural Substance/Drug Synergy](#) : CK(352) : AC(142), [Significant Treatment Outcome](#) : CK(3038) : AC(366)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: [26063410](#)

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Chemotherapeutic agent](#) : CK(772) : AC(577), [Survivin Down-Regulation](#) : CK(15) : AC(13)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Alcoholic Liver Disease](#) : CK(152) : AC(61), [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Hepatoprotective](#) : CK(3182) : AC(1418), [Hypolipidemic](#) : CK(3189) : AC(707)

Calcium Channel Blockers (AC 1) (CK 2)

Ginger lowers blood pressure through blockade of voltage-dependent calcium channels.

Pubmed Data : J Cardiovasc Pharmacol. 2005 Jan;45(1):74-80. PMID: [15613983](#)

Article Published Date : Jan 01, 2005

Authors : Muhammad Nabeel Ghayur, Anwarul Hassan Gilani

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Hypertension](#) : CK(4573) : AC(670)

Pharmacological Actions : [Antihypertensive Agents](#) : CK(2852) : AC(424) , [Calcium Channel Blockers](#) : CK(87) : AC(23)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Cardioprotective (AC 7) (CK 14)

Cardiac delayed repolarisation and atrioventricular conduction in rats with diabetes were halted by zingerone.

Pubmed Data : PLoS One. 2017 ;12(12):e0189074. Epub 2017 Dec 5. PMID: [29206854](#)

Article Published Date : Dec 31, 2016

Authors : Hany M El-Bassossy, Wafaa S Al-Thubiani, Ahmed A Elberry, Mohammad I Mujallid, Salah A Ghareib, Ahmad S Azhar, Zainy M Banjar, Malcolm L Watson

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: [29736620](#)

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Cardioprotective : CK(3412) : AC(1032), Chemoprotective Agents : CK(356) : AC(146), Radioprotective : CK(1247) : AC(406)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: [28479729](#)

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Pretreatment with zingerone prevented hyperlipidaemia and cardiac hypertrophy.

Pubmed Data : J Biochem Mol Toxicol. 2015 Apr ;29(4):182-8. Epub 2015 Jan 5. PMID: [25558849](#)

Article Published Date : Mar 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cardiac Hypertrophy](#) : CK(52) : AC(30), [Hyperlipidemia](#) : CK(1076) : AC(272), [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032)

Zingerone prevented cardiomyocyte apoptosis, by virtue of its antioxidant and anti-apoptotic properties.

Pubmed Data : Eur J Pharmacol. 2018 Feb 15 ;821:105-111. Epub 2017 Oct 2. PMID: [28982542](#)

Article Published Date : Feb 14, 2018

Authors : Ponnian Stanely Mainzen Prince, Kunchupillai Lakhsmanan Hemalatha

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932), Antioxidants : CK(14410) : AC(5758), Cardioprotective : CK(3412) : AC(1032)

Problem Substances : Isoproterenol : CK(1) : AC(1)

Zingerone protected the rat's heart against isoproterenol-induced myocardial infarction.

Pubmed Data : J Biochem Mol Toxicol. 2015 Feb ;29(2):63-9. Epub 2014 Sep 30. PMID: [25271244](#)

Article Published Date : Jan 31, 2015

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Lipid Peroxidation : CK(1178) : AC(476), Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Cardioprotective : CK(3412) : AC(1032)

Problem Substances : Isoproterenol : CK(1) : AC(1)

Zingiber officinale Roscoe ameliorates anticancer antibiotic doxorubicin-induced acute cardiotoxicity.

Pubmed Data : J Exp Ther Oncol. 2016 Jul ;11(3):171-175. PMID: [28471121](#)

Article Published Date : Jun 30, 2016

Authors : Thekkuttuparambil Ananthanarayanan Ajith, Unnikrishnan Hema, Sreedharan Aswathi

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity: Doxorubicin : CK(296) : AC(149)

Pharmacological Actions : Cardioprotective : CK(3412) : AC(1032), Chemoprotective Agents : CK(356) : AC(146)

Additional Keywords : Chemoprotective Agents : CK(356) : AC(146), Chemoprotective Agents : CK(356) : AC(146), Chemoprotective Agents : CK(356) : AC(146), Chemoprotective Agents : CK(356) : AC(146)

Caspase-3 Activation (AC 1) (CK 5)

Zerumbone was able to induce apoptosis of pancreatic

carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: [22454691](#)

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zerumbone](#) : CK(46) : AC(24)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Caspase-3 Activation](#) : CK(137) : AC(90), [P21 Activation](#) : CK(72) : AC(47), [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Zerumbone](#) : CK(5) : AC(1)

Cell cycle arrest (AC 4) (CK 5)

A compound from ginger, 6]-gingerol, may be an effective agent in the treatment of skin cancer.

Pubmed Data : Chem Biol Interact. 2009 Sep 14;181(1):77-84. Epub 2009 May 27. PMID: [19481070](#)

Article Published Date : Sep 14, 2009

Authors : Nidhi Nigam, Kulpreet Bhui, Sahdeo Prasad, Jasmine George, Yogeshwer Shukla

Study Type : In Vitro Study

Additional Links

Substances : [Catechols](#) : CK(14) : AC(11), [Ginger](#) : CK(775) : AC(207)

Diseases : [Skin Cancer: Squamous Cell](#) : CK(56) : AC(20)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

Ginger polysaccharides induced cell cycle arrest and apoptosis in human hepatocellular carcinoma HepG2 cells.

Pubmed Data : Int J Biol Macromol. 2018 Nov 8 ;123:81-90. Epub 2018 Nov 8. PMID: [30414900](#)

Article Published Date : Nov 07, 2018

Authors : Yun Wang, Shengxuan Wang, Rongzhen Song, Jingjing Cai, Jingjing Xu, Xiaozhen Tang, Ningyang Li

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer](#) : CK(1953) : AC(852)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

Additional Keywords : [Polysaccharides](#) : CK(5) : AC(3)

Hexahydrocurcumin has a cytotoxic effect against human colorectal cancer cells.

Pubmed Data : Nat Prod Commun. 2011 Nov ;6(11):1671-2. PMID: [22224285](#)

Article Published Date : Nov 01, 2011

Authors : Chung-Yi Chen, Woei-Ling Yang, Soong-Yu Kuo

Study Type : In Vitro Study

Additional Links

Substances : [Curcumin](#) : CK(4844) : AC(2458), [Ginger](#) : CK(775) : AC(207)

Diseases : [Colorectal Cancer](#) : CK(2874) : AC(1192)

Pharmacological Actions : [Cell cycle arrest](#) : CK(1289) : AC(1006)

Whole ginger extract reduces prostate tumor size by 56% in mice.

Pubmed Data : Br J Nutr. 2011 Aug 18:1-12. Epub 2011 Aug 18. PMID: [21849094](#)

Article Published Date : Aug 18, 2011

Authors : Prasanthi Karna, Sharmeen Chagani, Sushma R Gundala, Padmashree C G Rida, Ghazia Asif, Vibhuti Sharma, Meenakshi V Gupta, Ritu Aneja

Study Type : Transgenic Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Prostate Cancer](#) : CK(2097) : AC(687)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Cell cycle arrest](#) : CK(1289) : AC(1006)

Chemopreventive (AC 10) (CK 13)

"Ginger ingredients inhibit the development of diethylnitrosoamine induced premalignant phenotype in

rat chemical hepatocarcinogenesis model."

Pubmed Data : Biofactors. 2010 Nov-Dec;36(6):483-90. Epub 2010 Sep 24. PMID: [20872761](#)

Article Published Date : Nov 01, 2010

Authors : Mahmoud A Mansour, Saleh A Bekheet, Salim S Al-Rejaie, Othman A Al-Shabanah, Tawfeq A Al-Howiriny, Ammar C Al-Rikabi, Ayman A Abdo

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Chemopreventive](#) : CK(4220) : AC(1326)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger (Zingiber officinale) prevents ethionine induced rat hepatocarcinogenesis.

Pubmed Data : Afr J Tradit Complement Altern Med. 2008 ;6(1):87-93. Epub 2008 Oct 25. PMID: [20162046](#)

Article Published Date : Jan 01, 2008

Authors : Yasmin Anum Mohd Yusof, Norliza Ahmad, Srijit Das, Suhaniza Sulaiman, Nor Azian Murad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Chemopreventive](#) : CK(4220) : AC(1326)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27), [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896), [Gastrointestinal Cancer](#) : CK(47) : AC(14)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Anticarcinogenic Agents](#) : CK(1577) : AC(756), [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326), [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Metabolites of [6]-shogaol can account for the bioactivity of the parent compound, and specifically triggers molecular pathways responsible for cancer cell death in a similar fashion.

Pubmed Data : PLoS One. 2013 ;8(1):e54677. Epub 2013 Jan 30. PMID: [23382939](#)

Article Published Date : Dec 31, 2012

Authors : Yingdong Zhu, Renaud F Warin, Dominique N Soroka, Huadong Chen, Shengmin Sang

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Colon Cancer : CK(1217) : AC(742) , Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Antiproliferative : CK(4773) : AC(3450) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Metabolites : CK(64) : AC(20)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: [26434873](#)

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Honey : CK(784) : AC(188)

Diseases : Colon Cancer : CK(1217) : AC(742)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326) , Wnt/ β -catenin signaling pathway modulation : CK(36) : AC(24)

Additional Keywords : Dose Response : CK(1519) : AC(574) , Gene Expression Regulation : CK(431) : AC(214) , Plant Extracts : CK(11762) : AC(4236)

The combination of ginger and gelam honey may be an effective chemopreventive and therapeutic strategy for inducing the death of colon cancer cells.

Pubmed Data : Nutr J. 2015 ;14(1):31. Epub 2015 Apr 1. PMID: [25889965](#)

Article Published Date : Dec 31, 2014

Authors : Anahuda Abdullah Tahir, Nur Fathiah Abdul Sani, Noor Azian Murad, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Honey : CK(784) : AC(188)

Diseases : Colon Cancer : CK(1217) : AC(742) , Colorectal Cancer : CK(2874) : AC(1192) , Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326)

Additional Keywords : Gene Expression Regulation : CK(431) : AC(214) , Natural Substance Synergy : CK(844) : AC(392)

The content of 6-shogaol is very low in fresh ginger, but significantly higher after steaming.

Pubmed Data : Am J Chin Med. 2015 Oct 18:1-13. Epub 2015 Oct 18. PMID: [26477795](#)

Article Published Date : Oct 17, 2015

Authors : Chong-Zhi Wang, Lian-Wen Qi, Chun-Su Yuan

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Chemopreventive : CK(4220) : AC(1326)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: [26978396](#)

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review

Additional Links

Substances : Asparagus : CK(15) : AC(12) , Beans: All : CK(97) : AC(26) , Black Currant : CK(162) : AC(31) , Cruciferous Vegetables : CK(1521) : AC(521) , Ginger : CK(775) : AC(207) , Grape : CK(3266) : AC(910) , Plum : CK(52) : AC(18) , Pomegranate : CK(968) : AC(315) , Rice Bran : CK(155) : AC(44) , Tomato : CK(812) : AC(168) , Turmeric : CK(5994) : AC(2727)

Diseases : Liver Cancer : CK(1953) : AC(852)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927) , Chemopreventive : CK(4220) : AC(1326) , Immunomodulatory : CK(2249) : AC(733)

Additional Keywords : Natural Substance/Drug Synergy : CK(352) : AC(142)

Zingerone could be considered as a good chemopreventive agent in experimental model of colon carcinogenesis.

Pubmed Data : Environ Toxicol. 2019 May ;34(5):610-625. Epub 2019 Feb 5. PMID: [30720227](#)

Article Published Date : Apr 30, 2019

Authors : Majid Ahmad Ganaie, Abdulaziz Al Saeedan, Hassan Madhkali, Basit Lateef Jan, Tanvir Khatlani, Ishfaq Ahmad Sheikh, Muneeb U Rehman, Khalida Wani

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Chemopreventive](#) : CK(4220) : AC(1326)

Zingerone induced caspase-dependent apoptosis in MCF-7 cells and prevents 7,12-dimethylbenz(a)anthracene-induced mammary carcinogenesis.

Pubmed Data : J Biochem Mol Toxicol. 2019 Sep 2:e22387. Epub 2019 Sep 2. PMID: [31476248](#)

Article Published Date : Sep 01, 2019

Authors : Hongyun Gan, Yaqing Zhang, Qingyun Zhou, Lierui Zheng, Xiaofeng Xie, Vishnu Priya Veeraraghavan, Surapaneni Krishna Mohan

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Breast Cancer: Chemically-Induced](#) : CK(26) : AC(16)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Apoptotic](#) : CK(5217) : AC(3846) , [Chemopreventive](#) : CK(4220) : AC(1326)

Chemoprotective Agents (AC 9) (CK 16)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: [30352300](#)

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : [Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: 29736620](#)

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Cardioprotective](#) : CK(3412) : AC(1032), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Combined extracts of pumpkin seed and ginger might be used as a protective agent against cyclophosphamide induced reproductive toxicity.

Pubmed Data : [Anat Sci Int. 2016 Sep ;91\(4\):382-90. Epub 2015 Dec 29. PMID: 26714700](#)

Article Published Date : Aug 31, 2016

Authors : Somaieh Aghaie, Hossein Nikzad, Javad Amini Mahabadi, Mohsen Taghizadeh, Abolfazl Azami-Tameh, Aliakbar Taherian, Seyyed Mohammad Sajjad Sajjadian, Mehran Kamani

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Pumpkin Seeds](#) : CK(11) : AC(2)

Diseases : [Chemotherapy-Induced Toxicity: Cyclophosphamide](#) : CK(78) : AC(28)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Galangin significantly ameliorated cisplatin induced nephrotoxicity by suppressing MAPK induced inflammation and apoptosis.

Pubmed Data : Phytomedicine. 2017 Oct 15 ;34:154-161. Epub 2017 Jun 15. PMID: [28899498](#)

Article Published Date : Oct 14, 2017

Authors : Ameesha Tomar, Swati Vasisth, Sana Irfan Khan, Salma Malik, Tapas Chandra Nag, Dharamveer Singh Arya, Jagriti Bhatia

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Renoprotective](#) : CK(1308) : AC(593)

Modulatory effect of zingerone against cisplatin or γ -irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: [31536909](#)

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457) , [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Hepatoprotective](#) : CK(3182) : AC(1418) , [Radioprotective](#) : CK(1247) : AC(406)

Protective effects of zingerone on cisplatin-induced nephrotoxicity.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jun 4. Epub 2019 Jun 4. PMID: [31165450](#)

Article Published Date : Jun 03, 2019

Authors : Fatih Mehmet Kandemir, Serkan Yildirim, Cuneyt Caglayan, Sefa Kucukler, Gizem Eser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Chemoprotective Agents](#) : CK(356) : AC(146)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID:

[29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cunevt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kilinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Chemoprotective Agents](#) : CK(356) : AC(146), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone has nephroprotective effects in cisplatin rat model of nephrotoxicity.

Pubmed Data : Biomed Pharmacother. 2018 Sep ;105:225-232. Epub 2018 May 30. PMID: [29857302](#)

Article Published Date : Aug 31, 2018

Authors : Tuba Alibakhshi, Mohammad Javad Khodayar, Layasadat Khorsandi, Mohammad Rashno, Leila Zeidooni

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146), [Renoprotective](#) : CK(1308) : AC(593)

Zingiber officinale Roscoe ameliorates anticancer antibiotic doxorubicin-induced acute cardiotoxicity.

Pubmed Data : J Exp Ther Oncol. 2016 Jul ;11(3):171-175. PMID: [28471121](#)

Article Published Date : Jun 30, 2016

Authors : Thekkuttuparambil Ananthanarayanan Ajith, Unnikrishnan Hema, Sreedharan Aswathi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Doxorubicin](#) : CK(296) : AC(149)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032), [Chemoprotective Agents](#) : CK(356) : AC(146)

Additional Keywords : [Chemoprotective Agents](#) : CK(356) : AC(146), [Chemoprotective Agents](#) : CK(356) : AC(146), [Chemoprotective Agents](#) : CK(356) : AC(146), [Chemoprotective Agents](#) : CK(356) : AC(146)

Chemosensitizer (AC 4) (CK 5)

Combining ginger extract and doxorubicin revealed a greater efficacy as anticancer therapeutic regimen.

Pubmed Data : Eur J Nutr. 2017 Feb 22. Epub 2017 Feb 22. PMID: [28229277](#)

Article Published Date : Feb 21, 2017

Authors : Nahla E El-Ashmawy, Naglaa F Khedr, Hoda A El-Bahrawy, Hend E Abo Mansour

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Chemosensitizer](#) : CK(772) : AC(577) , [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Chemotherapeutic Synergy](#): [Doxorubicin](#) : CK(91) : AC(61)

Cytotoxicity and apoptosis enhancement in breast and cervical cancer cells upon coadministration of mitomycin C and essential oils.

Pubmed Data : Biomed Pharmacother. 2018 Oct ;106:946-955. Epub 2018 Jul 12. PMID: [30119267](#)

Article Published Date : Sep 30, 2018

Authors : Waad A Al-Otaibi, Mayson H Alkhatib, Abdulwahab Noor Wali

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738) , [Cervical Cancer](#) : CK(594) : AC(288)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450) , [Apoptotic](#) : CK(5217) : AC(3846) , [Chemosensitizer](#) : CK(772) : AC(577)

Additional Keywords : [Chemotherapeutic Synergy](#): [Mitomycin C](#) : CK(6) : AC(5) , [Essential Oils](#) : CK(181) : AC(69)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: [22006742](#)

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Chemotherapeutic](#) : CK(772) : AC(577), [Radioprotective](#) : CK(1247) : AC(406)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: [26063410](#)

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Chemotherapeutic](#) : CK(772) : AC(577) , [Survivin Down-Regulation](#) : CK(15) : AC(13)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Chemotherapeutic (AC 9) (CK 37)

Combining ginger extract and doxorubicin revealed a greater efficacy as anticancer therapeutic regimen.

Pubmed Data : Eur J Nutr. 2017 Feb 22. Epub 2017 Feb 22. PMID: [28229277](#)

Article Published Date : Feb 21, 2017

Authors : Nahla E El-Ashmawy, Naglaa F Khedr, Hoda A El-Bahrawy, Hend E Abo Mansour

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Breast Cancer](#) : CK(5066) : AC(1738)

Pharmacological Actions : [Chemotherapeutic](#) : CK(772) : AC(577) , [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Chemotherapeutic Synergy: Doxorubicin](#) : CK(91) : AC(61)

Daily supplement of ginger extract started 3 days prior to chemotherapy has been shown to significantly elevate antioxidant activity.

Pubmed Data : Cancer Manag Res. 2017 ;9:11-18. Epub 2017 Jan 31. PMID: [28203106](#)

Article Published Date : Dec 31, 2016

Authors : Kwanjit Danwilai, Jitprapa Konmun, Bung-Orn Sripanidkulchai, Suphat Subongkot

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Chemotherapeutic](#) : CK(397) : AC(152)

Ginger extract has anti-leukemia and anti-drug resistant effects on malignant cells.

Pubmed Data : J Cancer Res Clin Oncol. 2019 Aug ;145(8):1987-1998. Epub 2019 Jun 18. PMID: [31214760](#)

Article Published Date : Jul 31, 2019

Authors : Somayeh Rahimi Babasheikhali, Soheila Rahgozar, Mahboubeh Mohammadi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acute lymphoblastic leukemia \(ALL\)](#) : CK(130) : AC(39), [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Chemotherapeutic](#) : CK(397) : AC(152)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger phytochemicals inhibit cell growth and modulate drug resistance factors in docetaxel resistant prostate cancer cells.

Pubmed Data : Molecules. 2017 Sep 5 ;22(9). Epub 2017 Sep 5. PMID: [28872603](#)

Article Published Date : Sep 04, 2017

Authors : Chi-Ming Liu, Chiu-Li Kao, Yu-Ting Tseng, Yi-Ching Lo, Chung-Yi Chen

Study Type : In Vitro Study

Additional Links

Substances : [6-Shogaol](#) : CK(39) : AC(27), [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Cancers: Drug Resistant](#) : CK(562) : AC(369), [Prostate Cancer](#) : CK(2097) : AC(687)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Chemotherapeutic](#) : CK(397) : AC(152)

In this review, the evidences for the chemopreventive and chemotherapeutic potential of ginger extract and its active components using in vitro, animal models, and patients have been described.

Pubmed Data : Gastroenterol Res Pract. 2015 ;2015:142979. Epub 2015 Mar 8. PMID: [25838819](#)

Article Published Date : Dec 31, 2014

Authors : Sahdeo Prasad, Amit K Tyagi

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Cancers: All : CK(22165) : AC(7896) , Gastrointestinal Cancer : CK(47) : AC(14)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927) , Anticarcinogenic Agents : CK(1577) : AC(756) , Apoptotic : CK(5217) : AC(3846) , Chemopreventive : CK(4220) : AC(1326) , Chemotherapeutic : CK(397) : AC(152)

Additional Keywords : Significant Treatment Outcome : CK(3038) : AC(366)

Nausea severity and the number of vomiting episodes were significantly lower in the Ginger intervention group than in the control group.

Pubmed Data : Clin J Oncol Nurs. 2015 Oct 1 ;19(5):E92-E97. PMID: [26414587](#)

Article Published Date : Sep 30, 2015

Authors : Müzeyyen Arslan, Leyla Ozdemir

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Nausea : CK(153) : AC(17)

Pharmacological Actions : Chemotherapeutic : CK(397) : AC(152)

The effect of ginger in patients with advanced cancer.

Pubmed Data : Support Care Cancer. 2019 Nov 19. Epub 2019 Nov 19. PMID: [31745695](#)

Article Published Date : Nov 18, 2019

Authors : Ravi Bhargava, Martin Chasen, Michael Elten, Neil MacDonald

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cachexia: Cancer : CK(50) : AC(15) , Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Anti-Cachexic Agents : CK(2) : AC(1) , Chemotherapeutic : CK(397) : AC(152)

This review indicates that ginger possesses multiple properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: [25848702](#)

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Chemotherapeutic](#) : CK(397) : AC(152), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Zerumbone suppresses osteopontin-induced cell invasion in human non-small cell lung cancer A549 cells.

Pubmed Data : J Nat Prod. 2016 Jan 22 ;79(1):156-60. Epub 2015 Dec 17. PMID: [26681550](#)

Article Published Date : Jan 21, 2016

Authors : Chi Gu Kang, Hyo-Jeong Lee, Sung-Hoon Kim, Eun-Ok Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Carcinoma: Non-Small-Cell Lung](#) : CK(264) : AC(161)

Pharmacological Actions : [Anti-metastatic](#) : CK(1284) : AC(927), [Chemotherapeutic](#) : CK(397) : AC(152)

Cyclooxygenase 2 Inhibitors (AC 5) (CK 9)

A combination of ginger and peony root may prevent memory impairment in AD by inhibiting A β accumulation and inflammation in the brain.

Pubmed Data : J Alzheimers Dis. 2015 Nov 30. Epub 2015 Nov 30. PMID: [26639976](#)

Article Published Date : Nov 29, 2015

Authors : Soonmin Lim, Jin Gyu Choi, Minho Moon, Hyo Geun Kim, Wonil Lee, Hyoung-Rok Bak, Hachang Sung, Chi Hye Park, Sun Yeou Kim, Myung Sook Oh

Study Type : Transgenic Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Peony](#) : CK(50) : AC(14)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871) , [Brain Inflammation](#) : CK(686) : AC(352)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger inhibits microglial cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53) , [Brain Inflammation](#) : CK(686) : AC(352) , [Inflammation](#) : CK(6531) : AC(1986) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Nitric Oxide Inhibitor](#) : CK(390) : AC(196) , [Prostaglandin Antagonists](#) : CK(27) : AC(13)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: [25939344](#)

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Rhabdomyosarcoma](#) : CK(8) : AC(5)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214) , [Natural Substance/Drug Synergy](#) : CK(352) : AC(142) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Lipid Peroxidation](#) : CK(1178) : AC(476)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kılinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Chemoprotective Agents](#) : CK(356) : AC(146), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Cytoprotective (AC 2) (CK 7)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage

caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: [27496583](#)

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Cytoprotective](#) : CK(190) : AC(94) , [Detoxifier](#) : CK(512) : AC(171)

Zingerone could be a potential therapeutic agent for treatment of various severe vascular inflammatory diseases.

Pubmed Data : Arch Pharm Res. 2018 Mar ;41(3):276-287. Epub 2017 May 16. PMID: [28508944](#)

Article Published Date : Feb 28, 2018

Authors : Gahee Min, Sae-Kwang Ku, Taeho Lee, Jong-Sup Bae

Study Type : Animal Study, Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Sepsis](#) : CK(473) : AC(147)

Pharmacological Actions : [Cytoprotective](#) : CK(190) : AC(94)

Detoxifier (AC 1) (CK 2)

Turmeric and ginger were effective in eliminating arsenic from the body but could protect from possible damage caused by arsenic exposure.

Pubmed Data : J Ethnopharmacol. 2016 Aug 2. Epub 2016 Aug 2. PMID: [27496583](#)

Article Published Date : Aug 01, 2016

Authors : Suman Biswas, Chinmoy Maji, Prasanta Kumar Sarkar, Samar Sarkar, Abichal Chattopadhyay, Tapan Kumar Mandal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Cytoprotective](#) : CK(190) : AC(94) ,
[Detoxifier](#) : CK(512) : AC(171)

Enzyme Inhibitors (AC 2) (CK 2)

An extract of *Z. cassumunar* and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: [25840633](#)

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25) , [Allergies](#) : CK(1076) : AC(205) , [Hypersensitivity: Respiratory](#) : CK(11) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Enzyme Inhibitors](#) : CK(602) : AC(312) , [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Gingerenone-A and shogaol may have potential as SaHPPK inhibitors against staphylococcus aureus.

Pubmed Data : Ann Clin Microbiol Antimicrob. 2018 Apr 2 ;17(1):16. Epub 2018 Apr 2. PMID: [29609660](#)

Article Published Date : Apr 01, 2018

Authors : Shailima Rampogu, Ayoung Baek, Rajesh Goud Gajula, Amir Zeb, Rohit S Bavi, Raj Kumar, Yongseong Kim, Yong Jung Kwon, Keun Woo Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Staphylococcus aureus infection](#) : CK(305) : AC(219)

Pharmacological Actions : [Enzyme Inhibitors](#) : CK(602) : AC(312)

Enzyme Inhibitors: Pancreatic Lipase (AC 1) (CK 2)

Dietary ginger and other spice compounds enhance fat digestion and absorption in high-fat fed situation through enhanced secretion of bile salts and a stimulation of the activity pancreatic lipase.

Pubmed Data : J Sci Food Agric. 2011 Sep 14. Epub 2011 Sep 14. PMID: [21918995](#)

Article Published Date : Sep 14, 2011

Authors : Usha Ns Prakash, Krishnapura Srinivasan

Study Type : Animal Study

Additional Links

Substances : Capsaicin : CK(141) : AC(57), Ginger : CK(775) : AC(207), Piperine : CK(225) : AC(109)

Diseases : Fat Malabsorption : CK(2) : AC(1), Indigestion: Fats : CK(2) : AC(1), Steatorrhea : CK(12) : AC(3)

Pharmacological Actions : Enzyme Inhibitors: Pancreatic Lipase : CK(12) : AC(2)

Fertility Agents: Female (AC 1) (CK 2)

Ginger might improve female fertility.

Pubmed Data : J Chin Med Assoc. 2018 Aug 7. Epub 2018 Aug 7. PMID: [30093285](#)

Article Published Date : Aug 06, 2018

Authors : Nafiye Yılmaz, Banu Seven, Hakan Timur, Ayçağ Yorgancı, Hasan Ali İnal, Müberra Namlı Kalem, Ziya Kalem, Özge Han, Banu Bilezikçi

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Infertility: Female : CK(281) : AC(51)

Pharmacological Actions : Fertility Agents: Female : CK(10) : AC(1)

Food Preservatives (AC 1) (CK 1)

This study confirmed the potential of selected extracts of spices as effective natural food preservative in juices.

Pubmed Data : Int J Microbiol. 2016 ;2016:9015802. Epub 2016 Jan 4. PMID: [26880927](#)

Article Published Date : Dec 31, 2015

Authors : Romika Dhiman, Neeraj Aggarwal, Kamal Rai Aneja, Manpreet Kaur

Study Type : In Vitro Study

Additional Links

Substances : Ashwagandha : CK(289) : AC(121), Ginger : CK(775) : AC(207), Gotu Kola : CK(51) : AC(21), Indian Gooseberry : CK(7) : AC(3), Mint : CK(394) : AC(63), Terminalia : CK(26) : AC(17), Turmeric : CK(5994) : AC(2727)

Diseases : Foodborne Pathogens: Prevention/Food Preservation : CK(19) : AC(18)

Pharmacological Actions : Antimicrobial : CK(776) : AC(352), Food Preservatives : CK(1) : AC(1)

Additional Keywords : Fruit Juice : CK(85) : AC(11), Plant Extracts : CK(11762) : AC(4236)

Galactagogue (AC 1) (CK 10)

Ginger is a promising natural galactagogue to improve breast milk volume in the immediate postpartum period without any notable side effect.

Pubmed Data : Breastfeed Med. 2016 Aug 9. Epub 2016 Aug 9. PMID: [27505611](#)

Article Published Date : Aug 09, 2016

Authors : Panwara Paritakul, Kasem Ruangrongmorakot, Wipada Laosooksathit, Maysita Suksamarnwong, Pawin Puapornpong

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Breast Milk: Inadequate/Poor Quality : CK(110) : AC(10)

Pharmacological Actions : Galactagogue : CK(73) : AC(8)

Gastrointestinal Agents (AC 7) (CK 36)

A review of the health promoting aspects of ginger in the treatment and prevention of diseases via immunonutrition and anti-inflammatory responses.

Pubmed Data : Int J Prev Med. 2013 Apr ;4(Suppl 1):S36-42. PMID: [23717767](#)

Article Published Date : Mar 31, 2013

Authors : Nafiseh Shokri Mashhadi, Reza Ghiasvand, Gholamreza Askari, Mitra Hariri, Leila Darvishi, Mohammad Reza Mofid

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Cancers: All : CK(22165) : AC(7896) , Inflammation : CK(6531) : AC(1986) , Liver Disease: Oxidative Stress : CK(9) : AC(5), Muscle Soreness : CK(86) : AC(12)

Therapeutic Actions : Exercise : CK(2795) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Anti-metastatic : CK(1284) : AC(927), Antioxidants : CK(14410) : AC(5758) , Antiproliferative : CK(4773) : AC(3450), Apoptotic : CK(5217) : AC(3846) , Gastrointestinal Agents : CK(268) : AC(41)

A standardized extract of ginger and artichoke significantly promoted gastric emptying in healthy volunteers.

Pubmed Data : Eur Rev Med Pharmacol Sci. 2016 Jan ;20(1):146-9. PMID: [26813467](#)

Article Published Date : Dec 31, 2015

Authors : S Lazzini, W Polinelli, A Riva, P Morazzoni, E Bombardelli

Study Type : Human Study

Additional Links

Substances : Artichoke : CK(162) : AC(34) , Ginger : CK(775) : AC(207)

Diseases : Delayed Gastric Emptying : CK(107) : AC(13)

Pharmacological Actions : Gastrointestinal Agents : CK(268) : AC(41)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Ginger and Turmeric extracts may represent effective and natural therapeutic alternatives in the treatment of giardiasis.

Pubmed Data : Parasitol Res. 2016 Mar 16. Epub 2016 Mar 16. PMID: [26984104](#)

Article Published Date : Mar 15, 2016

Authors : Ahmad K Dyab, Doaa A Yones, Zedan Z Ibraheim, Tasneem M Hassan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Giardiasis](#) : CK(29) : AC(8)

Pharmacological Actions : [Antiprotozoal Agents](#) : CK(47) : AC(19), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Additional Keywords : [Dose Response](#) : CK(1519) : AC(574)

Ginger and artichoke leaf extracts appears efficacious in the treatment of functional dyspepsia and could represent a promising and safe treatment strategy for this frequent disease.

Pubmed Data : Evid Based Complement Alternat Med. 2015 ;2015:915087. Epub 2015 Apr 14. PMID: [25954317](#)

Article Published Date : Dec 31, 2014

Authors : Attilio Giacosa, Davide Guido, Mario Grassi, Antonella Riva, Paolo Morazzoni, Ezio Bombardelli, Simone Perna, Milena A Faliva, Mariangela Rondanelli

Study Type : Human Study

Additional Links

Substances : [Artichoke](#) : CK(162) : AC(34), [Ginger](#) : CK(775) : AC(207)

Diseases : [Dyspepsia](#) : CK(254) : AC(29)

Pharmacological Actions : [Gastrointestinal Agents](#) : CK(268) : AC(41)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236), [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Prebiotic potential of culinary spices used to support digestion and bioabsorption.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:8973704. Epub 2019 Jun 2. PMID: [31281405](#)

Article Published Date : Dec 31, 2018

Authors : Christine T Peterson, Dmitry A Rodionov, Stanislav N Iablokov, Meredith A Pung, Deepak Chopra, Paul J Mills, Scott N Peterson

Study Type : Human Study

Additional Links

Substances : [Black Pepper](#) : CK(366) : AC(155), [Culinary Herbs and Spices](#) : CK(8191) : AC(2341), [Ginger](#) : CK(775) : AC(207), [Long Pepper](#) : CK(15) : AC(9), [Turmeric](#) : CK(5994) : AC(2727)

Pharmacological Actions : [Gastrointestinal Agents](#) : CK(268) : AC(41)

Additional Keywords : [Microbiota](#) : CK(396) : AC(101)

This review indicates that ginger possesses multiple

properties that could be beneficial in reducing chemotherapy induced nausea and vomiting

Pubmed Data : Crit Rev Food Sci Nutr. 2015 Apr 7:0. Epub 2015 Apr 7. PMID: [25848702](#)

Article Published Date : Apr 06, 2015

Authors : Wolfgang Marx, Karin Ried, Alexandra L McCarthy, Luis Vitetta, Avni Sali, Daniel McKavanagh, Elisabeth Isenring

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Nausea](#) : CK(153) : AC(17)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Chemotherapeutic](#) : CK(397) : AC(152), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Zingerone has a protective effect on the ethanol-induced gastric ulcer.

Pubmed Data : Medicina (Kaunas). 2019 Mar 11 ;55(3). Epub 2019 Mar 11. PMID: [30862060](#)

Article Published Date : Mar 10, 2019

Authors : Neda Sistani Karampour, Ardeshtir Arzi, Anahita Rezaie, Marzieh Pashmforoosh, Fatemeh Kordi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Gastric Ulcer](#) : CK(289) : AC(117)

Pharmacological Actions : [Anti-Ulcer Agents](#) : CK(390) : AC(140), [Antioxidants](#) : CK(14410) : AC(5758), [Gastrointestinal Agents](#) : CK(268) : AC(41)

Gastroprotective (AC 2) (CK 12)

The gastro-protective effect of ginger in Helicobacter pylori positive functional dyspepsia.

Pubmed Data : Adv Pharm Bull. 2019 Jun ;9(2):321-324. Epub 2019 Jun 1. PMID: [31380260](#)

Article Published Date : May 31, 2019

Authors : Vahideh Ebrahimzadeh Attari, Mohammad Hosein Somi, Mohammad Asghari Jafarabadi, Alireza Ostadrahimi, Seyed-Yaghob Moaddab, Neda Lotfi

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Dyspepsia](#) : CK(254) : AC(29) , [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Gastroprotective](#) : CK(534) : AC(228)

Turmeric and ginger essential oils could reduce the gastric ulcers in rat stomachs.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2015 Jan ;26(1):95-103. PMID: [24756059](#)

Article Published Date : Dec 31, 2014

Authors : Vijayasteltar B Liju, Kottarapat Jeena, Ramadasan Kuttan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric: Volatile Oils](#) : CK(14) : AC(4)

Diseases : [Gastric Ulcer](#) : CK(289) : AC(117)

Pharmacological Actions : [Gastroprotective](#) : CK(534) : AC(228)

Additional Keywords : [Plant Oils](#) : CK(55) : AC(24)

Genoprotective (AC 1) (CK 1)

Zingerone protects against stannous chloride-induced and hydrogen peroxide-induced oxidative DNA damage.

Pubmed Data : Biol Trace Elem Res. 2013 Dec ;155(3):455-9. Epub 2013 Sep 5. PMID: [24006104](#)

Article Published Date : Nov 30, 2013

Authors : Iyappan Rajan, Nithya Narayanan, Remitha Rabindran, P R Jayasree, P R Manish Kumar

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [DNA damage](#) : CK(1482) : AC(545)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Genoprotective](#) : CK(413) : AC(148)

Glutathione Upregulation (AC 2) (CK 4)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: [22224058](#)

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Problem Substances : [Dichlorvos](#) : CK(6) : AC(3), [Lindane](#) : CK(2) : AC(1)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: [21689445](#)

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [ALT: Elevated](#) : CK(70) : AC(11), [AST: Elevated](#) : CK(46) : AC(6), [Liver Fibrosis](#) : CK(383) : AC(172)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53), [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6), [Renoprotective](#) : CK(1308) : AC(593), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Heme oxygenase-1 inducer (AC 1) (CK 2)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: [28475920](#)

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Liver Damage: Aflatoxin-Induced](#) : CK(35) : AC(15)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 inducer](#) : CK(8) : AC(5), [Hepatoprotective](#) : CK(3182) : AC(1418), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Aflatoxin](#) : CK(56) : AC(8)

Heme oxygenase-1 up-regulation (AC 1) (CK 2)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3:134664. Epub 2019 Nov 3. PMID: [31757552](#)

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bisphenol Toxicity](#) : CK(1832) : AC(549)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 up-regulation](#) : CK(73) : AC(40), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Bisphenol A](#) : CK(2216) : AC(646)

Hepatoprotective (AC 17) (CK 33)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: [28475920](#)

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Liver Damage: Aflatoxin-Induced](#) : CK(35) : AC(15)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 inducer](#) : CK(8) : AC(5), [Hepatoprotective](#) : CK(3182) : AC(1418), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Aflatoxin](#) : CK(56) : AC(8)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: [25816415](#)

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zinc](#) : CK(1067) : AC(165)

Diseases : [Chemical Exposure](#) : CK(67) : AC(21), [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504), [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418), [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : [Malathion Toxicity](#) : CK(2) : AC(1), [Zinc Chloride](#) : CK(2) : AC(1)

Ginger can have beneficial effects on health complications associated with unhealthy diet.

Pubmed Data : An Acad Bras Cienc. 2019 ;91(4):e20180975. Epub 2019 Nov 11. PMID: [31721920](#)

Article Published Date : Dec 31, 2018

Authors : Dalila T Leal, Gleide G Fontes, Julia K D Villa, Rodrigo B Freitas, Mateus G Campos, Camilo A Carvalho, Virginia R Pizzolo, Marisa A N Diaz

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Damage](#) : CK(1644) : AC(708)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Hepatoprotective](#) : CK(3182) : AC(1418)

Anti Therapeutic Actions : [Western Diet](#) : CK(315) : AC(85)

Ginger extracts can be considered as an effective, economical and safe extract to circumvent phosphamidon induced hepatotoxicity.

Pubmed Data : Indian J Exp Biol. 2015 Sep ;53(9):574-84. PMID: [26548077](#)

Article Published Date : Aug 31, 2015

Authors : Suprabhat Mukherjee, Niladri Mukherjee, Prasanta Saini, Priya Roy, Santi P Sinha Babu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Ginger protects against acetaminophen-induced acute liver injury by enhancing liver antioxidant status.

Pubmed Data : Food Chem Toxicol. 2007 Nov;45(11):2267-72. Epub 2007 Jun 9. PMID: [17637489](#)

Article Published Date : Nov 01, 2007

Authors : T A Ajith, U Hema, M S Aswathy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acetaminophen \(Tylenol\) Toxicity](#) : CK(485) : AC(175)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418)

Ginger protects against bromobenzene-induced liver toxicity in male rats.

Pubmed Data : Food Chem Toxicol. 2009 Jul;47(7):1584-90. Epub 2009 Apr 23. PMID: [19371770](#)

Article Published Date : Jul 01, 2009

Authors : A S El-Sharaky, A A Newairy, M A Kamel, S M Eweda

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bromobenzene Toxicity](#) : CK(4) : AC(2)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

Ginger was able to reduce the severity of diethylnitrosamine-cytotoxicity.

Pubmed Data : Biomarkers. 2019 Apr 12;1-34. Epub 2019 Apr 12. PMID: [30979347](#)

Article Published Date : Apr 11, 2019

Authors : Abdelgawad Fahmi, Naglaa Hassanen, Mariam Abdur-Rahman, Engy Shams-Eldin

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Chemically-Induced Liver Damage : CK\(1157\) : AC\(504\)](#)

Pharmacological Actions : [Hepatoprotective : CK\(3182\) : AC\(1418\)](#)

Hepatoprotective effects of zingerone on carbon tetrachloride- and dimethylnitrosamine-induced liver injuries in rats.

Pubmed Data : Arch Pharm Res. 2016 Feb ;39(2):279-91. Epub 2015 Dec 14. PMID: [26667466](#)

Article Published Date : Jan 31, 2016

Authors : Kyoung Ook Cheong, Dong-Su Shin, Jeonghyeon Bak, Changyong Lee, Kyung Wook Kim, Nam Kyung Je, Hae Young Chung, Sik Yoon, Jeon-Ok Moon

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#), [Polyphenols : CK\(1353\) : AC\(489\)](#)

Diseases : [Chemically-Induced Liver Damage : CK\(1157\) : AC\(504\)](#), [Lipid Peroxidation : CK\(1178\) : AC\(476\)](#), [Oxidative Stress : CK\(6519\) : AC\(2436\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#), [Antioxidants : CK\(14410\) : AC\(5758\)](#), [Hepatoprotective : CK\(3182\) : AC\(1418\)](#)

Modulatory effect of zingerone against cisplatin or γ -irradiation induced hepatotoxicity by molecular targeting regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: [31536909](#)

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Chemotherapy and Radiation Toxicity : CK\(1796\) : AC\(457\)](#), [Chemotherapy-Induced Toxicity: Cisplatin : CK\(612\) : AC\(266\)](#)

Pharmacological Actions : Chemoprotective Agents : CK(356) : AC(146) , Hepatoprotective : CK(3182) : AC(1418), Radioprotective : CK(1247) : AC(406)

Review of polyphenol-rich products as potential protective and therapeutic factors against cadmium hepatotoxicity.

Pubmed Data : J Appl Toxicol. 2019 01 ;39(1):117-145. Epub 2018 Sep 14. PMID: [30216481](#)

Article Published Date : Dec 31, 2018

Authors : Magdalena Mężyńska, Małgorzata M Brzóska

Study Type : Animal Study

Additional Links

Substances : Black Tea : CK(603) : AC(128), Blueberry : CK(512) : AC(174), Chokeberry : CK(171) : AC(47), Ginger : CK(775) : AC(207), Green Tea : CK(2720) : AC(822), Olive Oil : CK(432) : AC(88), Polyphenols : CK(1353) : AC(489), Rosemary : CK(281) : AC(114)

Diseases : Chemically-Induced Liver Damage : CK(1157) : AC(504)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

Problem Substances : Cadmium : CK(132) : AC(26)

Steamed ginger can decrease plasma total cholesterol and triglyceride and can inhibit liver steatosis by regulating the expressions of hepatic genes.

Pubmed Data : Nutr Res Pract. 2018 Dec ;12(6):503-511. Epub 2018 Nov 30. PMID: [30515278](#)

Article Published Date : Nov 30, 2018

Authors : Hee-Jeong Kim, Bohkyung Kim, Eun-Gyung Mun, Soon-Yeon Jeong, Youn-Soo Cha

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Liver Steatosis : CK(25) : AC(4)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

Additional Keywords : Gene Expression Regulation : CK(431) : AC(214)

These data provide new insights into the preventive approach of zingerone against the development of the NAFLD.

Pubmed Data : Gen Physiol Biophys. 2016 Apr ;35(2):185-94. Epub 2016 Feb 26. PMID: [26915720](#)

Article Published Date : Mar 31, 2016

Authors : Jeyabarathy Muniandy Narayanan, Victor A S Jesudoss

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : High Fructose Diet : CK(96) : AC(29) , Nonalcoholic fatty liver disease (NAFLD) : CK(1160) : AC(301)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758), Hepatoprotective : CK(3182) : AC(1418)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Alcohol Toxicity : CK(660) : AC(249), Alcoholic Liver Disease : CK(152) : AC(61) , DNA damage : CK(1482) : AC(545)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932), Bcl-2 protein down-regulation : CK(419) : AC(295), Hepatoprotective : CK(3182) : AC(1418), Hypolipidemic : CK(3189) : AC(707)

Zingerone protects against lipopolysaccharide induced liver damage.

Pubmed Data : Chem Biol Interact. 2018 Feb 1 ;281:106-110. Epub 2017 Dec 28. PMID: [29289488](#)

Article Published Date : Jan 31, 2018

Authors : Wonhwa Lee, Mi-Hye Hwang, Yuri Lee, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Chemically-Induced Liver Damage : CK(1157) : AC(504) , Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

Zingerone therapy significantly protected liver from endotoxin induced inflammatory damage

Pubmed Data : PLoS One. 2014 ;9(9):e106536. Epub 2014 Sep 3. PMID: [25184525](#)

Article Published Date : Dec 31, 2013

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Antibiotic Toxicity : CK(63) : AC(16), Endotoxemia : CK(83) : AC(43), Inflammation :

CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Hepatoprotective : CK(3182) : AC(1418)

Problem Substances : Antibiotics : CK(576) : AC(102)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: [28494418](#)

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Gingerol : CK(88) : AC(48)

Diseases : Mercury Poisoning : CK(390) : AC(111)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Hepatoprotective : CK(3182) : AC(1418), Renoprotective : CK(1308) : AC(593)

Problem Substances : Mercury : CK(237) : AC(38)

Zingiber officinale extract and omega-3 fatty acids ameliorate endoplasmic reticulum stress in a nonalcoholic fatty liver rat model.

Pubmed Data : J Food Biochem. 2019 Oct 14:e13076. Epub 2019 Oct 14. PMID: [31608477](#)

Article Published Date : Oct 13, 2019

Authors : Mohamed A Kandeil, Reem M Hashem, Mohamed O Mahmoud, Mona H Hetta, Mohamed A Tohamy

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Omega-3 Fatty Acids : CK(4151) : AC(515)

Diseases : Nonalcoholic fatty liver disease (NAFLD) : CK(1160) : AC(301)

Pharmacological Actions : Hepatoprotective : CK(3182) : AC(1418)

**Histone deacetylase inhibitor (AC 1)
(CK 1)**

Zingiber zerumbet (a member of the ginger family) contains compounds that inhibit histone deacetylase and exhibited growth inhibitory activity on various human tumor cell lines.

Pubmed Data : Pharmazie. 2008 Oct;63(10):774-6. PMID: [18972844](#)

Article Published Date : Oct 01, 2008

Authors : Ill-Min Chung, Min-Young Kim, Won-Hwan Park, Hyung-In Moon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Tumors](#) : CK(205) : AC(120)

Pharmacological Actions : [Antiproliferative](#) : CK(4773) : AC(3450), [Histone deacetylase inhibitor](#) : CK(48) : AC(37)

Hypoglycemic Agents (AC 12) (CK 46)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein \(CRP\)](#) : CK(20) : AC(2), [Diabetes: Glycation/A1C](#) : CK(210) : AC(33), [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133), [Hyperglycemia](#) : CK(967) : AC(262), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Insulin Sensitizers](#) : CK(707) : AC(139)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: [14980006](#)

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50) , [Hypertension](#) : CK(4573) : AC(670)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Insulin-releasing](#) : CK(62) : AC(28)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597)

Problem Substances : [Insulin](#) : CK(149) : AC(23)

Ayurvedic polyherbal combination for prediabetes.

Pubmed Data : J Ayurveda Integr Med. 2019 Jan 17. Epub 2019 Jan 17. PMID: [30661947](#)

Article Published Date : Jan 16, 2019

Authors : Amit Nakanekar, Kuldip Kohli, Pratima Tatke

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Guduchi](#) : CK(93) : AC(21) , [Gymnema Sylvestre](#) : CK(38) : AC(16) , [Pterocarpus marsupium](#) : CK(39) : AC(17)

Diseases : [Prediabetes](#) : CK(192) : AC(23)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Insulin Resistance](#) : CK(2804) : AC(602) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Insulin Sensitizers](#) : CK(707) : AC(139) , [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6)

Ginger extract might be considered as an alternative therapeutic strategy in the management of overweight and hepatic and metabolic alterations.

Pubmed Data : Appl Physiol Nutr Metab. 2017 Feb ;42(2):209-215. Epub 2016 Nov 2. PMID: [28125276](#)

Article Published Date : Jan 31, 2017

Authors : Natalia de Las Heras, María Valero-Muñoz, Beatriz Martín-Fernández, Sandra Ballesteros, Antonio López-Farré, Baltasar Ruiz-Roso, Vicente Lahera

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Hyperlipidemia](#) : CK(1076) : AC(272), [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has anti-diabetic and lipid lowering properties in an animal model of type 1 diabetes.

Pubmed Data : Br J Nutr. 2006 Oct;96(4):660-6. PMID: [17010224](#)

Article Published Date : Oct 01, 2006

Authors : Zainab M Al-Amin, Martha Thomson, Khaled K Al-Qattan, Riitta Peltonen-Shalaby, Muslim Ali

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Cardiovascular Illness](#) : CK(700) : AC(107), [Diabetes Mellitus: Type 1](#) : CK(1387) : AC(393)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: [26642658](#)

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Green Tea](#) : CK(2720) : AC(822)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

The effect of ginger powder supplementation on insulin

resistance and glycemic indices in patients with type 2 diabetes: A randomized, double-blind, placebo-controlled trial.

Pubmed Data : Complement Ther Med. 2014 Feb ;22(1):9-16. Epub 2014 Jan 8. PMID: [24559810](#)

Article Published Date : Jan 31, 2014

Authors : Hassan Mozaffari-Khosravi, Behrouz Talaei, Beman-Ali Jalali, Azadeh Najarzadeh, Mohammad Reza Mozayan

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Glycation/A1C : CK(210) : AC(33) , Diabetes Mellitus: Type 2 : CK(6029) : AC(1167), Diabetes Mellitus: Type 2: Prevention : CK(981) : AC(133)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841)

The impact of some natural phenolic compounds on carbonic anhydrase, acetylcholinesterase, butyrylcholinesterase, and α -glycosidase enzymes.

Pubmed Data : J Biochem Mol Toxicol. 2017 Dec ;31(12). Epub 2017 Sep 13. PMID: [28902458](#)

Article Published Date : Nov 30, 2017

Authors : Parham Taslimi, Cuneyt Caglayan, İlhami Gulcin

Study Type : In Vitro Study

Additional Links

Substances : Carvacrol : CK(67) : AC(9), Chrysin : CK(147) : AC(93), Citrus naringin : CK(17) : AC(12), Ginger : CK(775) : AC(207), Hesperidin : CK(375) : AC(148), Polyphenols : CK(1353) : AC(489)

Diseases : Hypoglycemia : CK(189) : AC(30)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Alpha-glucosidase inhibitor : CK(162) : AC(111), Hypoglycemic Agents : CK(3297) : AC(841)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986), Metabolic Syndrome X : CK(1548) : AC(275), Obesity : CK(4406) : AC(1073)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants :

CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841) , Hypolipidemic : CK(3189) : AC(707)
Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β -cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: [31389247](#)

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Hypolipidemic](#) : CK(3189) : AC(707)

Hypolipidemic (AC 11) (CK 29)

Adding ginger to daily diet of diabetic patients has useful effects and may ameliorate diabetes complications.

Pubmed Data : Avicenna J Med Biotechnol. 2019 Jul-Sep;11(3):234-238. PMID: [31379996](#)

Article Published Date : Jun 30, 2019

Authors : Shirin Azizidoost, Zahra Nazeri, Asma Mohammadi, Ghorban Mohammadzadeh, Maryam Cheraghzadeh, Alireza Jafari, Alireza Kheirollah

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735) , [Hypercholesterolemia](#) : CK(1851) : AC(317)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Administration of ginger and/or thyme has ameliorative effects on liver and kidney functions of V-line rabbits.

Pubmed Data : J Anim Physiol Anim Nutr (Berl). 2019 Aug 22. Epub 2019 Aug 22. PMID: [31441113](#)

Article Published Date : Aug 21, 2019

Authors : Mohammed Abdel-Gabbar, Rasha R Ahmed, Mohamed A Kandeil, Alaa El-Deen H Mohamed, Shimaa M Ali

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Thyme](#) : CK(116) : AC(59)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Hypolipidemic](#) : CK(3189) : AC(707)

Daily administration of 1,000 mg ginger reduces serum triglyceride concentration, which is a risk factor for cardiovascular disease in peritoneal dialysis patients.

Pubmed Data : Perit Dial Int. 2015 Oct 16. Epub 2015 Oct 16. PMID: [26475844](#)

Article Published Date : Oct 15, 2015

Authors : Hadi Tabibi, Hossein Imani, Shahnaz Atabak, Iraj Najafi, Mehdi Hedayati, Leila Rahmani

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cardiovascular Disease: Prevention](#) : CK(3250) : AC(433) , [Hemodialysis](#) : CK(463) : AC(49) , [Triglycerides: Elevated](#) : CK(846) : AC(142)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Risk Reduction](#) : CK(11700) : AC(1273)

Ginger could protect alcohol-induced myocardial damage by suppression of hyperlipidemia and cardiac biomarkers.

Pubmed Data : Pharmacogn Mag. 2017 Jan ;13(Suppl 1):S69-S75. Epub 2017 Apr 7. PMID: [28479729](#)

Article Published Date : Dec 31, 2016

Authors : Ganjikunta Venkata Subbaiah, Korivi Mallikarjuna, Bhasha Shanmugam, Sahukari Ravi, Patan Usnan Taj, Kesireddy Sathyavelu Reddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Cardioprotective](#) : CK(3412) : AC(1032), [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger decreases the negative metabolic consequences induced by high-refined carbohydrate diet.

Pubmed Data : J Med Food. 2018 Oct 26. Epub 2018 Oct 26. PMID: [30362875](#)

Article Published Date : Oct 25, 2018

Authors : Cíntia Tarabal Oliveira, Débora Romualdo Lacerda, Marina Campos Zicker, Laís Bhering Martins, Mauro Martins Teixeira, Raquel Linhares Bello de Araujo, Adaliene Versiani Matos Ferreira

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Hypolipidemic](#) : CK(3189) : AC(707)

Ginger has a protective effect against dyslipidemia in diabetic rats.

Pubmed Data : J Ethnopharmacol. 2005 Feb 28;97(2):227-30. PMID: [15707757](#)

Article Published Date : Feb 28, 2005

Authors : Uma Bhandari, Raman Kanojia, K K Pillai

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cholesterol: LDL/HDL ratio](#) : CK(484) : AC(61), [Diabetes: Cardiovascular Illness](#) : CK(700) : AC(107), [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Green tea and ginger extracts have a significant hypoglycemic effect in diabetic rabbits.

Pubmed Data : Acta Pol Pharm. 2015 May-Jun;72(3):497-506. PMID: [26642658](#)

Article Published Date : Apr 30, 2015

Authors : Ahmed Elkirdasy, Saad Shousha, Abdulmohsen H Alrohaimi, M Faiz Arshad

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Green Tea](#) : CK(2720) : AC(822)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

In vitro antioxidant and in vivo lipid-lowering properties of Zingiber officinale crude aqueous extract.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:9734390. Epub 2019 Jul 9. PMID: [31360211](#)

Article Published Date : Dec 31, 2018

Authors : Oussama Bekkouch, Mohamed Harnafi, Ilham Touiss, Saloua Khatib, Hicham Harnafi, Chakib Alem, Souliman Amrani

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Hyperlipidemia](#) : CK(1076) : AC(272)

Pharmacological Actions : [Hypolipidemic](#) : CK(3189) : AC(707)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

This review focuses on recent findings regarding the beneficial effects of ginger on obesity and related complications in metabolic syndromes.

Pubmed Data : Ann N Y Acad Sci. 2017 Jun ;1398(1):83-98. Epub 2017 May 15. PMID: [28505392](#)

Article Published Date : May 31, 2017

Authors : Jing Wang, Weixin Ke, Rui Bao, Xiaosong Hu, Fang Chen

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Metabolic Syndrome X](#) : CK(1548) : AC(275) , [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) :

CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841) , Hypolipidemic : CK(3189) : AC(707)
Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Zingerone exhibits antihyperlipidemic and antiapoptotic potential on alcohol induced hepatotoxicity.

Pubmed Data : Chem Biol Interact. 2017 Jun 25 ;272:197-206. Epub 2017 Apr 22. PMID: [28442378](#)

Article Published Date : Jun 24, 2017

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Alcohol Toxicity : CK(660) : AC(249), Alcoholic Liver Disease : CK(152) : AC(61), DNA damage : CK(1482) : AC(545)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932), Bcl-2 protein down-regulation : CK(419) : AC(295), Hepatoprotective : CK(3182) : AC(1418), Hypolipidemic : CK(3189) : AC(707)

zingerone modulates hyperglycaemia, hyperlipidaemia, oxidative biochemical markers and degenerative changes in β -cells of treated diabetic groups.

Pubmed Data : Arch Physiol Biochem. 2019 Aug 7:1-7. Epub 2019 Aug 7. PMID: [31389247](#)

Article Published Date : Aug 06, 2019

Authors : Tarique Anwer, Zafar Ali Alkarbi, Ali Hassan Najmi, Saeed Alshahrani, Rahimullah Siddiqui, Gyas Khan, Mohammad Firoz Alam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes Mellitus: Type 2 : CK(6029) : AC(1167)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841), Hypolipidemic : CK(3189) : AC(707)

Immunomodulatory (AC 4) (CK 14)

Aromatherapy with light Thai massage can be beneficial for the immune systems of cancer patients who are undergoing chemotherapy.

Pubmed Data : Asian Pac J Cancer Prev. 2013 ;14(6):3903-7. PMID: [23886205](#)

Article Published Date : Dec 31, 2012

Authors : Santisith Khiewkhern, Supanee Promthet, Aemkhea Sukprasert, Wichai Eunhpinitpong, Peter Bradshaw

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colorectal Cancer](#) : CK(2874) : AC(1192)

Therapeutic Actions : [Aromatherapy Massage](#) : CK(100) : AC(10)

Pharmacological Actions : [Immunomodulatory](#) : CK(2249) : AC(733)

Ginger and constituent 6-gingerol could be used the prevention or alleviation of allergic rhinitis symptoms.

Pubmed Data : J Nutr Biochem. 2015 Sep 1. Epub 2015 Sep 1. PMID: [26403321](#)

Article Published Date : Aug 31, 2015

Authors : Yoshiyuki Kawamoto, Yuki Ueno, Emiko Nakahashi, Momoko Obayashi, Kento Sugihara, Shanlou Qiao, Machiko Iida, Mayuko Y Kumasaka, Ichiro Yajima, Yuji Goto, Nobutaka Ohgami, Masashi Kato, Kozue Takeda

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Allergic Rhinitis](#) : CK(392) : AC(52), [Allergic Rhinitis: Prevention](#) : CK(12) : AC(2)

Pharmacological Actions : [Anti-Allergic Agents](#) : CK(167) : AC(61), [Immunomodulatory](#) : CK(2249) : AC(733)

Ginger has an important anti-hydatic effect in vitro.

Pubmed Data : Asian Pac J Trop Med. 2016 Aug ;9(8):749-56. Epub 2016 Jun 29. PMID: [27569883](#)

Article Published Date : Jul 31, 2016

Authors : Manel Amri, Chafia Touil-Boukoffa

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Hydatidosis](#) : CK(1) : AC(1)

Pharmacological Actions : [Antiparasitic Agents](#) : CK(150) : AC(84), [Immunomodulatory](#) : CK(2249) : AC(733)

This reviews the potential prevention and treatment activities of dietary natural products and their major bioactive constituents on liver cancer.

Pubmed Data : Nutrients. 2016 ;8(3). Epub 2016 Mar 10. PMID: [26978396](#)

Article Published Date : Dec 31, 2015

Authors : Yue Zhou, Ya Li, Tong Zhou, Jie Zheng, Sha Li, Hua-Bin Li

Study Type : Review

Additional Links

Substances : Asparagus : CK(15) : AC(12), Beans: All : CK(97) : AC(26), Black Currant : CK(162) : AC(31), Cruciferous Vegetables : CK(1521) : AC(521), Ginger : CK(775) : AC(207), Grape : CK(3266) : AC(910), Plum : CK(52) : AC(18), Pomegranate : CK(968) : AC(315), Rice Bran : CK(155) : AC(44), Tomato : CK(812) : AC(168), Turmeric : CK(5994) : AC(2727)

Diseases : Liver Cancer : CK(1953) : AC(852)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Chemopreventive : CK(4220) : AC(1326), Immunomodulatory : CK(2249) : AC(733)

Additional Keywords : Natural Substance/Drug Synergy : CK(352) : AC(142)

Immunostimulatory (AC 1) (CK 2)

Dietary intake of *C. longa* and *Z. officinale* potentiates the non-specific host defences against opportunistic infections.

Pubmed Data : Cell Immunol. 2012 Nov ;280(1):92-100. Epub 2012 Dec 10. PMID: [23295981](#)

Article Published Date : Oct 31, 2012

Authors : Biswajit Chakraborty, Mahuya Sengupta

Study Type : Animal Study

Additional Links

Substances : Curcumin : CK(4844) : AC(2458), Curcuminoids : CK(5183) : AC(2535), Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Pharmacological Actions : Immunostimulatory : CK(442) : AC(114), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Phytotherapy : CK(2309) : AC(597), Plant Extracts : CK(11762) : AC(4236)

Insulin Sensitizers (AC 5) (CK 26)

"6]-Gingerol isolated from ginger attenuates sodium

arsenite induced oxidative stress and plays a corrective role in improving insulin signaling in mice."

Pubmed Data : Toxicol Lett. 2012 Jan 10 ;210(1):34-43. Epub 2012 Jan 10. PMID: [22285432](#)

Article Published Date : Jan 10, 2012

Authors : Debrup Chakraborty, Avinaba Mukherjee, Sourav Sikdar, Avijit Paul, Samrat Ghosh, Anisur Rahman Khuda-Bukhsh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Arsenic Poisoning](#) : CK(160) : AC(49) , [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

3 months supplementation of ginger improved glycemic indices, TAC and PON-1 activity in patients with type 2 diabetes.

Pubmed Data : J Complement Integr Med. 2015 Feb 10. Epub 2015 Feb 10. PMID: [25719344](#)

Article Published Date : Feb 09, 2015

Authors : Farzad Shidfar, Asadollah Rajab, Tayebbeh Rahideh, Nafiseh Khandouzi, Sharieh Hosseini, Shahrzad Shidfar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein \(CRP\)](#) : CK(20) : AC(2) , [Diabetes: Glycation/A1C](#) : CK(210) : AC(33) , [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Diabetes Mellitus: Type 2: Prevention](#) : CK(981) : AC(133) , [Hyperglycemia](#) : CK(967) : AC(262) , [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Insulin Sensitizers](#) : CK(707) : AC(139)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Insulin Resistance](#) : CK(2804) : AC(602) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Insulin Sensitizers](#) : CK(707) : AC(139) , [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6)

Ginger has a beneficial effect on insulin resistance associated with fructose consumption.

Pubmed Data : Planta Med. 2012 Jan 10. Epub 2012 Jan 10. PMID: [22234408](#)

Article Published Date : Jan 10, 2012

Authors : Chia Ju Chang, Thing-Fong Tzeng, Yuan-Shiun Chang, I-Min Liu

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

Problem Substances : [Fructose](#) : CK(361) : AC(106)

Ginger has a beneficial effect on type 2 diabetics.

Pubmed Data : Int J Food Sci Nutr. 2013 Mar 18. Epub 2013 Mar 18. PMID: [23496212](#)

Article Published Date : Mar 17, 2013

Authors : Sepide Mahluji, Vahide Ebrahimzade Attari, Majid Mobasseri, Laleh Payahoo, Alireza Ostadrahimi, Samad Ej Golzari

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 2](#) : CK(6029) : AC(1167) , [Insulin Resistance](#) : CK(2804) : AC(602)

Pharmacological Actions : [Insulin Sensitizers](#) : CK(707) : AC(139)

Insulin-releasing (AC 2) (CK 4)

Anti-diabetic activity of Zingiber officinale in streptozotocin-induced type I diabetic rats.

Pubmed Data : J Pharm Pharmacol. 2004 Jan ;56(1):101-5. PMID: [14980006](#)

Article Published Date : Dec 31, 2003

Authors : Sanjay P Akhiani, Santosh L Vishwakarma, Ramesh K Goyal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes Mellitus: Type 1: Prevention](#) : CK(255) : AC(50) , [Hypertension](#) : CK(4573) :

AC(670)

Pharmacological Actions : Hypoglycemic Agents : CK(3297) : AC(841) , Insulin-releasing : CK(62) : AC(28)

Additional Keywords : Phytotherapy : CK(2309) : AC(597)

Problem Substances : Insulin : CK(149) : AC(23)

Dietary garlic and especially ginger have anti-diabetic effects.

Pubmed Data : J Med Food. 2008 Mar;11(1):152-9. PMID: [18361751](#)

Article Published Date : Mar 01, 2008

Authors : Md Shahidul Islam, Haymie Choi

Study Type : Animal Study

Additional Links

Substances : Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207)

Diseases : Diabetes Mellitus: Type 2 : CK(6029) : AC(1167)

Pharmacological Actions : Insulin-releasing : CK(62) : AC(28)

Additional Keywords : Insulinotropic : CK(2) : AC(1)

Interleukin-1 beta downregulation (AC 12) (CK 22)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: [27568839](#)

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Myocardial Infarction : CK(1334) : AC(246)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Ginger efficiently reduced the lung damage and protected

the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halil İbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1), [Inflammation](#) : CK(6531) : AC(1986), [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger improved trinitrobenzene sulphonic acid-induced colitis via modulation of NF-κB activity and IL-1β signalling pathway.

Pubmed Data : Food Chem. 2013 Jan 1 ;136(1):170-7. Epub 2012 Aug 10. PMID: [23017409](#)

Article Published Date : Dec 31, 2012

Authors : Chien-Yun Hsiang, Hsin-Yi Lo, Hui-Chi Huang, Chia-Cheng Li, Shih-Lu Wu, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Colitis](#) : CK(565) : AC(262)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: [28904557](#)

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes: Oxidative Stress](#) : CK(131) : AC(40) , [Diabetic Complications](#) : CK(2530) : AC(735), [Fibrosis](#) : CK(16) : AC(10)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: [30005955](#)

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Necrotising enterocolitis](#) : CK(90) : AC(14)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: [23374025](#)

Article Published Date : Apr 01, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466) , [Neuroprotective Agents](#) : CK(6374) : AC(2801), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: [26073629](#)

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: [27435276](#)

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Lymphoma: Dalton's](#) : CK(3) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kılinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Chemoprotective Agents](#) : CK(356) : AC(146), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone ameliorates lipopolysaccharide-induced acute

kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: [26698392](#)

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudasir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Diabetic Nephropathy : CK(394) : AC(151)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Inflammation : CK(6531) : AC(1986), Ultraviolet Radiation Induced Damage : CK(100) : AC(44)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), Photoprotective : CK(74) : AC(27), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Interleukin-10 downregulation (AC 3) (CK 6)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Cadmium Poisoning : CK(232) : AC(116)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Interleukin-6 Downregulation : CK(3054) : AC(1144), Neuroprotective Agents : CK(6374) : AC(2801), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Problem Substances : Cadmium : CK(132) : AC(26)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: [27002391](#)

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Hypertension : CK(4573) : AC(670), Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: [30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13)

Pharmacological Actions : Adenosine deaminase inhibitor : CK(16) : AC(5), Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Interleukin-6 Downregulation : CK(3054) : AC(1144), Renoprotective : CK(1308) : AC(593), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Problem Substances : Cadmium : CK(132) : AC(26)

Interleukin-2 Downregulation (AC 1) (CK 2)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: [30532634](#)

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Interleukin-2 Downregulation : CK(4) : AC(3), Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Interleukin-6 Downregulation (AC 17) (CK 32)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: [27568839](#)

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Cadmium Poisoning](#) : CK(232) : AC(116)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-10 downregulation](#) : CK(284) : AC(103), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halil İbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bronchopulmonary Dysplasia](#) : CK(1) : AC(1) , [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Phytotherapy](#) : CK(2309) : AC(597) , [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: [28369951](#)

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastrointestinal Inflammation](#) : CK(118) : AC(41)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Interleukin-8 downregulation](#) : CK(406) : AC(147) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Prostaglandin PGE2 downregulation](#) : CK(23) : AC(11)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger ingredients could be beneficial in alleviating diabetic prostatic complications through suppressing oxidative stress and tissue fibrosis.

Pubmed Data : Evid Based Complement Alternat Med. 2017 ;2017:6090269. Epub 2017 Aug 17. PMID: [28904557](#)

Article Published Date : Dec 31, 2016

Authors : Basma G Eid, Hala Mosli, Atif Hasan, Hany M El-Bassossy

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Oxidative Stress : CK(131) : AC(40) , Diabetic Complications : CK(2530) : AC(735), Fibrosis : CK(16) : AC(10)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: [30005955](#)

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneyt Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Necrotising enterocolitis : CK(90) : AC(14)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: [29253614](#)

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-6 Downregulation : CK(3054) : AC(1144), Prostaglandin PGE2 downregulation : CK(23) : AC(11), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: [30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Adenosine deaminase inhibitor](#) : CK(16) : AC(5) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-10 downregulation](#) : CK(284) : AC(103) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Renoprotective](#) : CK(1308) : AC(593) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249) , [Lipid Peroxidation](#) : CK(1178) : AC(476)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kilinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Chemoprotective Agents](#) : CK(356) : AC(146) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) :

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: [26698392](#)

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13) , Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(1743) : AC(868) , Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14:1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudassir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Diabetic Nephropathy : CK(394) : AC(151)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758), Hypoglycemic Agents : CK(3297) : AC(841) , Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: [24412620](#)

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650) , Lung Injury: Acute : CK(34) : AC(17)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: [29367111](#)

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Diabetic Nephropathy : CK(394) : AC(151)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: [28610995](#)

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207) , Polyphenols : CK(1353) : AC(489)

Diseases : Endotoxemia : CK(83) : AC(43), Sepsis : CK(473) : AC(147)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: [30532634](#)

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-2 Downregulation](#) : CK(4) : AC(3) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986) , [Ultraviolet Radiation Induced Damage](#) : CK(100) : AC(44)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Photoprotective](#) : CK(74) : AC(27) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Interleukin-8 downregulation (AC 1) (CK 1)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: [28369951](#)

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastrointestinal Inflammation](#) : CK(118) : AC(41)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Interleukin-8 downregulation](#) : CK(406) : AC(147) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Prostaglandin PGE2 downregulation](#) : CK(23) : AC(11)

Leptin Down-Regulation (AC 1) (CK 2)

Clove and fermented ginger supplementation possesses anti-diabetic properties and may help in the control of hyperleptinaemia in type 2 diabetes.

Pubmed Data : Niger J Physiol Sci. 2018 Jun 30 ;33(1):89-93. Epub 2018 Jun 30. PMID: [30091738](#)

Article Published Date : Jun 29, 2018

Authors : A Abdulrazak, Y Tanko, A Mohammed, K A Mohammed, N M Sada, A Au Dikko

Study Type : Animal Study

Additional Links

Substances : [Clove : CK\(107\) : AC\(57\)](#), [Fermented Foods and Beverages : CK\(1673\) : AC\(386\)](#), [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Diabetes Mellitus: Type 2 : CK\(6029\) : AC\(1167\)](#), [Leptin: Elevated Levels : CK\(24\) : AC\(12\)](#)

Pharmacological Actions : [Leptin Down-Regulation : CK\(13\) : AC\(3\)](#)

Malonaldehyde (MDA) Down-Regulation (AC 2) (CK 4)

Dietary ginger has hypoglycaemic effect, enhances insulin synthesis in male rats and has high antioxidant activity.

Pubmed Data : Niger J Physiol Sci. 2011 ;26(1):89-96. Epub 2011 Nov 23. PMID: [22314994](#)

Article Published Date : Jan 01, 2011

Authors : B O Iranloye, A P Arikawe, G Rotimi, A O Sogbade

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Diabetes Mellitus: Type 2 : CK\(6029\) : AC\(1167\)](#), [Insulin Resistance : CK\(2804\) : AC\(602\)](#), [Oxidative Stress : CK\(6519\) : AC\(2436\)](#)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758) , Hypoglycemic Agents : CK(3297) : AC(841), Insulin Sensitizers : CK(707) : AC(139) , Malonaldehyde (MDA) Down-Regulation : CK(20) : AC(6)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: [21689445](#)

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : ALT: Elevated : CK(70) : AC(11) , AST: Elevated : CK(46) : AC(6) , Liver Fibrosis : CK(383) : AC(172)

Pharmacological Actions : Glutathione Upregulation : CK(152) : AC(53), Malonaldehyde (MDA) Down-Regulation : CK(20) : AC(6), Renoprotective : CK(1308) : AC(593) , Superoxide Dismutase Up-regulation : CK(1039) : AC(415)

Malondialdehyde Down-regulation (AC 3) (CK 15)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halilİbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1) , Inflammation : CK(6531) : AC(1986) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932) , Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758) , Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144) , Malondialdehyde Down-regulation : CK(1452) : AC(466), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Phytotherapy : CK(2309) : AC(597), Plant Extracts : CK(11762) : AC(4236)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: [27089418](#)

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Tuberculosis](#) : CK(440) : AC(64)

Therapeutic Actions : [Integrative Medicine](#) : CK(312) : AC(45)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: [23374025](#)

Article Published Date : Apr 01, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

**Matrix metalloproteinase-2 (MMP-2)
inhibitor (AC 2) (CK 3)**

Gingerol, a compound found within ginger, inhibits metastasis of human breast cancer cells.

Pubmed Data : J Nutr Biochem. 2008 May;19(5):313-9. Epub 2007 Aug 1. PMID: [17683926](#)

Article Published Date : May 01, 2008

Authors : Hyun Sook Lee, Eun Young Seo, Nam E Kang, Woo Kyung Kim

Study Type : In Vitro Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Breast Cancer : CK(5066) : AC(1738), Cancer Metastasis : CK(649) : AC(332)

Pharmacological Actions : Anti-metastatic : CK(1284) : AC(927), Antiproliferative : CK(4773) : AC(3450), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(551) : AC(315)

Zingerone suppresses angiogenesis via inhibition of matrix metalloproteinases during tumor development.

Pubmed Data : Oncotarget. 2016 Jul 26 ;7(30):47232-47241. PMID: [27323807](#)

Article Published Date : Jul 25, 2016

Authors : Woom-Yee Bae, Jae-Sun Choi, Ja-Eun Kim, Chan Park, Joo-Won Jeong

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Cancers: All : CK(22165) : AC(7896)

Pharmacological Actions : Cancers: All : CK(22165) : AC(7896), Matrix metalloproteinase-2 (MMP-2) inhibitor : CK(551) : AC(315), Matrix metalloproteinase-9 (MMP-9) inhibitor : CK(543) : AC(337)

Matrix metalloproteinase-9 (MMP-9) inhibitor (AC 2) (CK 3)

An extract of *Z. cassumunar* and its constituent should be benefit to ameliorate inflammation and hypersensitiveness of airway epithelium.

Pubmed Data : Asian Pac J Allergy Immunol. 2015 Mar ;33(1):42-51. PMID: [25840633](#)

Article Published Date : Feb 28, 2015

Authors : Orapan Poachanukoon, Ladda Meesuk, Napaporn Pattanacharoenchai, Paopanga

Monthanapisut, Thaweephol Dechatiwongse Na Ayudhya, Sittichai Koontongkaew

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Allergic Airway Diseases](#) : CK(69) : AC(25) , [Allergies](#) : CK(1076) : AC(205) , [Hypersensitivity: Respiratory](#) : CK(11) : AC(2)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Enzyme Inhibitors](#) : CK(602) : AC(312) , [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Zingerone suppresses angiogenesis via inhibition of matrix metalloproteinases during tumor development.

Pubmed Data : Oncotarget. 2016 Jul 26 ;7(30):47232-47241. PMID: [27323807](#)

Article Published Date : Jul 25, 2016

Authors : Woom-Yee Bae, Jae-Sun Choi, Ja-Eun Kim, Chan Park, Joo-Won Jeong

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896)

Pharmacological Actions : [Cancers: All](#) : CK(22165) : AC(7896) , [Matrix metalloproteinase-2 \(MMP-2\) inhibitor](#) : CK(551) : AC(315) , [Matrix metalloproteinase-9 \(MMP-9\) inhibitor](#) : CK(543) : AC(337)

MicroRNA modulator (AC 2) (CK 3)

Ginger extract ameliorates obesity and inflammation.

Pubmed Data : Nutrients. 2018 Oct 23 ;10(11). Epub 2018 Oct 23. PMID: [30360535](#)

Article Published Date : Oct 22, 2018

Authors : Seunghae Kim, Mak-Soon Lee, Sunyoon Jung, Hye-Yeon Son, Seonyoung Park, Bori Kang, Seog-Young Kim, In-Hwan Kim, Chong-Tai Kim, Yangha Kim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Obesity](#) : CK(4406) : AC(1073)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [MicroRNA modulator](#) : CK(264) : AC(145)

Osteogenic potential of zingerone, a phenolic compound

in mouse mesenchymal stem cells.

Pubmed Data : Biofactors. 2019 May 15. Epub 2019 May 15. PMID: [31091349](#)

Article Published Date : May 14, 2019

Authors : Narasimhan Srinaath, Kalimuthu Balagangadharan, Vikraman Pooja, Udhaykumar Paarkavi, Adhikari Trishla, Nagarajan Selvamurugan

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Bone Diseases](#) : CK(18) : AC(6)

Pharmacological Actions : [MicroRNA modulator](#) : CK(264) : AC(145)

Additional Keywords : [Mesenchymal Stem Cells](#) : CK(13) : AC(7)

NF-kappaB Inhibitor (AC 14) (CK 32)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: [19061005](#)

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antineoplastic Agents](#) : CK(1594) : AC(982), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger can improve rheumatoid arthritis by decreasing disease manifestations in patients.

Pubmed Data : Gene. 2019 May 25 ;698:179-185. Epub 2019 Mar 4. PMID: [30844477](#)

Article Published Date : May 24, 2019

Authors : Naheed Aryaeian, Farhad Shahram, Mahdi Mahmoudi, Hajar Tavakoli, Bahman Yousefi, Tahereh Arablou, Sahar Jafari Karegar

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Rheumatoid Arthritis](#) : CK(1140) : AC(209)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214), [Phytotherapy](#) : CK(2309) : AC(597), [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger contains the compound zerumbone, which inhibits colon and lung carcinogenesis in mice.

Pubmed Data : Int J Cancer. 2009 Jan 15;124(2):264-71. PMID: [19003968](#)

Article Published Date : Jan 15, 2009

Authors : Mihye Kim, Shingo Miyamoto, Yumiko Yasui, Takeru Oyama, Akira Murakami, Takuji Tanaka

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742), [Lung Cancer](#) : CK(1741) : AC(742)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : J Food Sci. 2017 Mar 29. Epub 2017 Mar 29. PMID: [28369951](#)

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastrointestinal Inflammation](#) : CK(118) : AC(41)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Interleukin-8 downregulation](#) : CK(406) : AC(147), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Prostaglandin PGE2 downregulation](#) : CK(23) : AC(11)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger improved trinitrobenzene sulphonic acid-induced colitis via modulation of NF-κB activity and IL-1β signalling pathway.

Pubmed Data : Food Chem. 2013 Jan 1 ;136(1):170-7. Epub 2012 Aug 10. PMID: [23017409](#)

Article Published Date : Dec 31, 2012

Authors : Chien-Yun Hsiang, Hsin-Yi Lo, Hui-Chi Huang, Chia-Cheng Li, Shih-Lu Wu, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Colitis](#) : CK(565) : AC(262)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger inhibits microglial cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53) , [Brain Inflammation](#) : CK(686) : AC(352) , [Inflammation](#) : CK(6531) : AC(1986) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Nitric Oxide Inhibitor](#) : CK(390) : AC(196) , [Prostaglandin Antagonists](#) : CK(27) : AC(13)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: [25939344](#)

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Rhabdomyosarcoma](#) : CK(8) : AC(5)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846) , [Bcl-2 protein down-regulation](#) : CK(419) : AC(295) , [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214) , [Natural Substance/Drug Synergy](#) : CK(352) : AC(142) , [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Modulation of age-related NF-kappaB activation by dietary zingerone via MAPK pathway.

Pubmed Data : Exp Gerontol. 2010 Jun ;45(6):419-26. Epub 2010 Mar 6. PMID: [20211236](#)

Article Published Date : May 31, 2010

Authors : Mi Kyung Kim, Sang Woon Chung, Dae Hyun Kim, Ji Min Kim, Eun Kyeong Lee, Ji Young Kim, Young Mi Ha, Yun Hee Kim, Jae-Kyung No, Hye Sun Chung, Kun-Young Park, Sook Hee Rhee, Jae Sue Choi, Byung Pal Yu, Takako Yokozawa, Young Jin Kim, Hae Young Chung

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Aging](#) : CK(2716) : AC(676) , [Cancers: All](#) : CK(22165) : AC(7896) , [Cardiovascular Diseases](#) : CK(10121) : AC(1456) , [Dementia](#) : CK(1221) : AC(196) , [Inflammation](#) : CK(6531) : AC(1986) , [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: [23374025](#)

Article Published Date : Apr 01, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466) , [Neuroprotective Agents](#) : CK(6374) : AC(2801) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

These findings suggested that ginger and zingerone were likely to be broad-spectrum anti-inflammatory agents in most organs.

Pubmed Data : J Agric Food Chem. 2015 Jul 8 ;63(26):6051-8. Epub 2015 Jun 24. PMID: [26073629](#)

Article Published Date : Jul 07, 2015

Authors : Chien-Yun Hsiang, Hui-Man Cheng, Hsin-Yi Lo, Chia-Cheng Li, Pei-Chi Chou, Yu-Chen Lee, Tin-Yun Ho

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : Inflammation : CK(6531) : AC(1986), Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-1 beta downregulation : CK(1743) : AC(868), NF-kappaB Inhibitor : CK(2446) : AC(1436)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneys Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kılinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Chemoprotective Agents : CK(356) : AC(146), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: [26698392](#)

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Kidney Damage: Chemically-Induced : CK(25) : AC(13), Lipopolysaccharide-Induced Toxicity : CK(1105) : AC(650)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: [24412620](#)

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Lung Injury: Acute](#) : CK(34) : AC(17)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: [27293376](#)

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Angiogenic](#) : CK(282) : AC(192) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763) , [Vascular Endothelial Growth Factor Inhibitors](#) : CK(123) : AC(61)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Neuroprotective Agents (AC 18) (CK 29)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: [25811848](#)

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Gingerol : CK\(88\) : AC\(48\)](#)

Diseases : [Alzheimer's Disease : CK\(2442\) : AC\(871\)](#) , [Oxidative Stress : CK\(6519\) : AC\(2436\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#) , [Antioxidants : CK\(14410\) : AC\(5758\)](#) , [Neuroprotective Agents : CK\(6374\) : AC\(2801\)](#) , [Nitric Oxide Inhibitor : CK\(390\) : AC\(196\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: [25789481](#)

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Brain Inflammation : CK\(686\) : AC\(352\)](#) , [Central Nervous System Diseases : CK\(6\) : AC\(6\)](#) , [Cerebral Ischemia : CK\(443\) : AC\(192\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#) , [Neuroprotective Agents : CK\(6374\) : AC\(2801\)](#) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor : CK\(4357\) : AC\(1763\)](#)

Additional Keywords : [Paradols : CK\(1\) : AC\(1\)](#)

A combined plant extract WS-5 could be applied as a natural product therapy with a focus on neuroinflammation-related neurodegenerative disorders.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5160293. Epub 2019 Apr 1. PMID: [31057649](#)

Article Published Date : Dec 31, 2018

Authors : Ju Eun Kim, Abinash Chandra Shrestha, Hyo Shin Kim, Ha Neul Ham, Jun Hyeong Kim, Yeong Jee Kim, Yun Jeong Noh, Su Jin Kim, Dae Keun Kim, Hyung Kwon Jo, Dae Sung Kim, Kwang Hyun Moon, Jeong Ho Lee, Kyung Ok Jeong, Jae Yoon Leem

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#) , [Turmeric : CK\(5994\) : AC\(2727\)](#)

Diseases : [Alzheimer's Disease : CK\(2442\) : AC\(871\)](#) , [Neurodegenerative Diseases : CK\(6185\) : AC\(1785\)](#)

Pharmacological Actions : [Acetylcholinesterase Inhibitor : CK\(37\) : AC\(19\)](#) , [Neuroprotective Agents : CK\(6374\) : AC\(2801\)](#)

A review of ginger in the prevention of ageing and degenerative diseases.

Pubmed Data : Evid Based Complement Alternat Med. 2019 ;2019:5054395. Epub 2019 Aug 20. PMID: [31531114](#)

Article Published Date : Dec 31, 2018

Authors : Nur Fatin Nabilah Mohd Sahardi, Suzana Makpol

Study Type : Review

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Aging : CK(2716) : AC(676) , Alzheimer's Disease : CK(2442) : AC(871) , Hypertension : CK(4573) : AC(670) , Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Neuroprotective Agents : CK(6374) : AC(2801)

Alzheimer's disease drug discovery from herbs: neuroprotectivity from beta-amyloid (1-42) insult.

Pubmed Data : J Altern Complement Med. 2007 Apr ;13(3):333-40. PMID: [17480132](#)

Article Published Date : Apr 01, 2007

Authors : Darrick S H L Kim, Jin-Yung Kim, Ye Sun Han

Study Type : In Vitro Study

Additional Links

Substances : Chinese Skullcap : CK(128) : AC(67) , Ginger : CK(775) : AC(207) , Ginkgo biloba : CK(936) : AC(218)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846) , Neuroprotective Agents : CK(6374) : AC(2801)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Blood-brain barrier permeability study of ginger constituents.

Pubmed Data : J Pharm Biomed Anal. 2019 Aug 19 ;177:112820. Epub 2019 Aug 19. PMID: [31476432](#)

Article Published Date : Aug 18, 2019

Authors : Alexandra Simon, András Darcsi, Ágnes Kéry, Eszter Riethmüller

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27) , Ginger : CK(775) : AC(207) , Gingerol : CK(88) : AC(48)

Diseases : Alzheimer's Disease : CK(2442) : AC(871) , Parkinson's Disease : CK(1155) : AC(411)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)

Additional Keywords : Blood Brain Barrier : CK(34) : AC(13)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Cadmium Poisoning](#) : CK(232) : AC(116)

Pharmacological Actions : [Acetylcholinesterase Inhibitor](#) : CK(37) : AC(19) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-10 downregulation](#) : CK(284) : AC(103) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Neuroprotective Agents](#) : CK(6374) : AC(2801) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Ginger has a neuroprotective effect in diabetic rats.

Pubmed Data : Food Chem Toxicol. 2010 Dec 22. Epub 2010 Dec 22. PMID: [21184796](#)

Article Published Date : Dec 22, 2010

Authors : Kondeti Ramudu Shanmugam, Korivi Mallikarjuna, Nishanth Kesireddy, Kesireddy Sathyavelu Reddy

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#) : CK(40) : AC(17) , [Cognitive Dysfunction](#) : CK(40) : AC(17)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Ginger mitigates damage and improves memory impairment in focal cerebral ischemia.

Pubmed Data : Evid Based Complement Alternat Med. 2011;2011:429505. Epub 2010 Dec 20. PMID: [21197427](#)

Article Published Date : Jan 01, 2011

Authors : Jintanaporn Wattanathorn, Jinatta Jittiwat, Terdthai Tongun, Supaporn Muchimapura, Kornkanok Ingkaninan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44) , [Cerebral Ischemia](#) : CK(443) : AC(192) , [Memory Disorders](#) : CK(666) : AC(218)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: [22224058](#)

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Problem Substances : [Dichlorvos](#) : CK(6) : AC(3), [Lindane](#) : CK(2) : AC(1)

Ginger root extract has a neuroprotective effect against monosodium glutamate-induced toxicity in male rats.

Pubmed Data : Pak J Biol Sci. 2009 Feb 1;12(3):201-12. PMID: [19579948](#)

Article Published Date : Feb 01, 2009

Authors : Abeer M Waggas

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Excitotoxicity](#) : CK(58) : AC(35)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Long-term consumption of aromatic compounds from spices could be effective in the prevention of Alzheimer's disease.

Pubmed Data : Nat Prod Commun. 2016 Apr ;11(4):507-10. PMID: [27396206](#)

Article Published Date : Mar 31, 2016

Authors : Shinichi Matsumura, Kazuya Murata, Yuri Yoshioka, Hideaki Matsuda

Study Type : In Vitro Study

Additional Links

Substances : [Cardamom](#) : CK(42) : AC(11), [Cinnamon](#) : CK(309) : AC(119), [Ginger](#) : CK(775) : AC(207), [Long Pepper](#) : CK(15) : AC(9), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Alzheimer's Disease](#) : CK(2442) : AC(871)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801), [β-secretase Inhibitor](#) : CK(1) : AC(1)

Neuromodulatory effects of ethyl acetate fraction of Zingiber officinale Roscoe extract in rats with lead-induced oxidative stress.

Pubmed Data : J Integr Med. 2019 Jan 5. Epub 2019 Jan 5. PMID: [30660591](#)

Article Published Date : Jan 04, 2019

Authors : Mary Abiola Okesola, Basiru Olaitan Ajiboye, Babatunji Emmanuel Oyinloye, Oluwafemi Adeleke Ojo

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Lead Poisoning](#) : CK(318) : AC(115)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Problem Substances : [Lead](#) : CK(167) : AC(32)

Neuroprotective role of 6-Gingerol-rich fraction of ginger against acrylonitrile-induced neurotoxicity.

Pubmed Data : J Basic Clin Physiol Pharmacol. 2018 Dec 22. Epub 2018 Dec 22. PMID: [30864424](#)

Article Published Date : Dec 21, 2018

Authors : Ebenezer Olatunde Farombi, Amos Olalekan Abolaji, Babatunde Oluwafemi Adetuyi, Olaide Awosanya, Mobolaji Fabusoro

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Brain Damage](#) : CK(93) : AC(44)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Nutraceuticals derived from such spices as turmeric, red pepper, black pepper, licorice, clove, ginger, garlic, coriander, and cinnamon target inflammatory pathways, thereby preventing neurodegenerative diseases.

Pubmed Data : Mol Neurobiol. 2011 Oct ;44(2):142-59. Epub 2011 Mar 1. PMID: [21360003](#)

Article Published Date : Oct 01, 2011

Authors : Ramaswamy Kannappan, Subash Chandra Gupta, Ji Hye Kim, Simone Reuter, Bharat Bhushan Aggarwal

Study Type : Review

Additional Links

Substances : [Black Pepper](#) : CK(366) : AC(155), [Cinnamon](#) : CK(309) : AC(119), [Clove](#) : CK(107) : AC(57), [Coriander](#) : CK(4) : AC(4), [Garlic](#) : CK(1099) : AC(367), [Ginger](#) : CK(775) : AC(207), [Licorice](#) : CK(427) : AC(139), [Red Pepper](#) : CK(4) : AC(3)

Diseases : Inflammation : CK(6531) : AC(1986) , Neurodegenerative Diseases : CK(6185) : AC(1785)
Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801)
Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: [23374025](#)

Article Published Date : Apr 01, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Pharmacological Actions : Interleukin-1 beta downregulation : CK(1743) : AC(868) ,
Malondialdehyde Down-regulation : CK(1452) : AC(466) , Neuroprotective Agents : CK(6374) :
AC(2801), NF-kappaB Inhibitor : CK(2446) : AC(1436) , Superoxide Dismutase Up-regulation :
CK(1039) : AC(415)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

The active ingredients in ginger have therapeutic potential in age-related neurological disorders.

Pubmed Data : Pharmacol Ther. 2018 Feb ;182:56-69. Epub 2017 Aug 24. PMID: [28842272](#)

Article Published Date : Jan 31, 2018

Authors : Jin Gyu Choi, Sun Yeou Kim, Minsun Jeong, Myung Sook Oh

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

The study clearly indicates a neuroprotective effect of ginger and propolis against MSG-induced neurodegenerative disorders.

Pubmed Data : Molecules. 2017 Nov 8 ;22(11). Epub 2017 Nov 8. PMID: [29117134](#)

Article Published Date : Nov 07, 2017

Authors : Usama K Hussein, Nour El-Houda Y Hassan, Manal E A Elhalwagy, Amr R Zaki, Huda O Abubakr, Kalyan C Nagulapalli Venkata, Kyu Yun Jang, Anupam Bishayee

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Probiotics](#) : CK(5795) : AC(805)

Pharmacological Actions : [Neuroprotective Agents](#) : CK(6374) : AC(2801)

Nitric Oxide Inhibitor (AC 3) (CK 14)

6-gingerol may be useful in the prevention and treatment of alzheimer's disease.

Pubmed Data : Rejuvenation Res. 2015 Mar 26. Epub 2015 Mar 26. PMID: [25811848](#)

Article Published Date : Mar 25, 2015

Authors : Gao-Feng Zeng, Shao-Hui Zong, Zhi-Yong Zhang, Song-Wen Fu, Ke-Ke Li, Ye Fang, Li Lu, De-Qiang Xiao

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#), [Gingerol : CK\(88\) : AC\(48\)](#)

Diseases : [Alzheimer's Disease : CK\(2442\) : AC\(871\)](#), [Oxidative Stress : CK\(6519\) : AC\(2436\)](#)

Pharmacological Actions : [Anti-Inflammatory Agents : CK\(12461\) : AC\(4729\)](#), [Antioxidants : CK\(14410\) : AC\(5758\)](#), [Neuroprotective Agents : CK\(6374\) : AC\(2801\)](#), [Nitric Oxide Inhibitor : CK\(390\) : AC\(196\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Ginger inhibits micoglia cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Brain: Microglial Activation : CK\(82\) : AC\(53\)](#), [Brain Inflammation : CK\(686\) : AC\(352\)](#), [Inflammation : CK\(6531\) : AC\(1986\)](#), [Lipopolysaccharide-Induced Toxicity : CK\(1105\) : AC\(650\)](#), [Neurodegenerative Diseases : CK\(6185\) : AC\(1785\)](#)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors : CK\(1114\) : AC\(645\)](#), [NF-kappaB Inhibitor : CK\(2446\) : AC\(1436\)](#), [Nitric Oxide Inhibitor : CK\(390\) : AC\(196\)](#), [Prostaglandin Antagonists : CK\(27\) : AC\(13\)](#)

Ginger powder supplementation can reduce inflammatory markers in patients with knee

osteoarthritis.

Pubmed Data : J Tradit Complement Med. 2016 Jul ;6(3):199-203. Epub 2015 Jan 28. PMID: [27419081](#)

Article Published Date : Jun 30, 2016

Authors : Zahra Naderi, Hassan Mozaffari-Khosravi, Ali Dehghan, Azadeh Nadjarzadeh, Hassan Fallah Huseini

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [C-Reactive Protein](#) : CK(2693) : AC(263), [Osteoarthritis: Knee](#) : CK(517) : AC(53)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196)

Nrf2 activation (AC 3) (CK 5)

A phenolics rich extract of ginger had protective effects against Aflatoxin B1-induced oxidative stress and hepatotoxicity.

Pubmed Data : Biomed Pharmacother. 2017 May 2 ;91:415-424. Epub 2017 May 2. PMID: [28475920](#)

Article Published Date : May 01, 2017

Authors : Vipin A V, Raksha Rao K, Nawneet Kumar Kurrey, Anu Appaiah K A, Venkateswaran G

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Liver Damage: Aflatoxin-Induced](#) : CK(35) : AC(15)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758), [Heme oxygenase-1 inducer](#) : CK(8) : AC(5), [Hepatoprotective](#) : CK(3182) : AC(1418), [Nrf2 activation](#) : CK(177) : AC(86)

Problem Substances : [Aflatoxin](#) : CK(56) : AC(8)

Bioactive compounds isolated from apple, tea, and ginger protect against dicarbonyl induced stress in cultured human retinal epithelial cells.

Pubmed Data : Phytomedicine. 2016 Feb 15 ;23(2):200-13. Epub 2016 Jan 5. PMID: [26926182](#)

Article Published Date : Feb 14, 2016

Authors : Chethan Sampath, Yingdong Zhu, Shengmin Sang, Mohamed Ahmedna

Study Type : In Vitro Study

Additional Links

Substances : Apple Polyphenols : CK(52) : AC(25), EGCG (Epigallocatechin gallate) : CK(890) : AC(477), Ginger : CK(775) : AC(207)

Diseases : Advanced Glycation End products (AGE) : CK(369) : AC(138) , Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Anti-Glycation Agents : CK(46) : AC(19) , Antioxidants : CK(14410) : AC(5758), Nrf2 activation : CK(177) : AC(86)

Ginger extract ameliorates bisphenol A induced disruption in thyroid hormones synthesis and metabolism.

Pubmed Data : Sci Total Environ. 2019 Nov 3;134664. Epub 2019 Nov 3. PMID: [31757552](#)

Article Published Date : Nov 02, 2019

Authors : Eman T Mohammed, Khalid S Hashem, Amr E Ahmed, Mohamed Tarek Aly, Lotfi Aleya, Mohamed M Abdel-Daim

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Bisphenol Toxicity : CK(1832) : AC(549)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Heme oxygenase-1 up-regulation : CK(73) : AC(40), Nrf2 activation : CK(177) : AC(86)

Problem Substances : Bisphenol A : CK(2216) : AC(646)

Osteoprotective (AC 1) (CK 1)

Current status of top 10 nutraceuticals used for Knee Osteoarthritis in India.

Pubmed Data : J Clin Orthop Trauma. 2018 Oct-Dec;9(4):338-348. Epub 2018 Jul 20. PMID: [30449982](#)

Article Published Date : Sep 30, 2018

Authors : Raju Vaishya, Amit Kumar Agarwal, Amish Shah, Vipul Vijay, Abhishek Vaish

Study Type : Review

Additional Links

Substances : Chondroitin Sulfate : CK(35) : AC(7), Curcumin : CK(4844) : AC(2458), Fish Oil : CK(723) : AC(113), Frankincense : CK(224) : AC(41), Ginger : CK(775) : AC(207), Glucosamine : CK(114) :

AC(20), Green Tea : CK(2720) : AC(822)

Diseases : Osteoarthritis: Knee : CK(517) : AC(53)

Pharmacological Actions : Osteoprotective : CK(20) : AC(6)

P21 Activation (AC 1) (CK 5)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29.

PMID: [22454691](#)

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro

Additional Links

Substances : Ginger : CK(775) : AC(207), Zerumbone : CK(46) : AC(24)

Diseases : Pancreatic Cancer : CK(1127) : AC(363)

Pharmacological Actions : Apoptotic : CK(5217) : AC(3846), Caspase-3 Activation : CK(137) : AC(90), P21 Activation : CK(72) : AC(47), Tumor Suppressor Protein p53 Upregulation : CK(480) : AC(343)

Additional Keywords : Zerumbone : CK(5) : AC(1)

Paraptosis (AC 1) (CK 1)

Ginger extract activates caspase independent paraptosis in cancer cells.

Pubmed Data : Nutr Cancer. 2019 Nov 5:1-13. Epub 2019 Nov 5. PMID: [31690139](#)

Article Published Date : Nov 04, 2019

Authors : Divya Nedungadi, Anupama Binoy, Vivek Vinod, Muralidharan Vanuopadath, Sudarslal Sadasivan Nair, Bipin G Nair, Nandita Mishra

Study Type : In Vitro Study

Additional Links

Substances : 6-Shogaol : CK(39) : AC(27), Ginger : CK(775) : AC(207)

Diseases : [Breast Cancer: Triple Negative : CK\(551\) : AC\(337\)](#)

Pharmacological Actions : [Paraptosis : CK\(1\) : AC\(1\)](#)

Phase II Detoxification Enzyme Inducer (AC 1) (CK 1)

Ginger contains the compound zerumbone, which may have chemopreventive activity through activating phase II drug metabolizing enzymes.

Pubmed Data : FEBS Lett. 2004 Aug 13;572(1-3):245-50. PMID: [15304356](#)

Article Published Date : Aug 13, 2004

Authors : Yoshimasa Nakamura, Chiho Yoshida, Akira Murakami, Hajime Ohigashi, Toshihiko Osawa, Koji Uchida

Study Type : In Vitro Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Cancers: All : CK\(22165\) : AC\(7896\)](#)

Pharmacological Actions : [Anticarcinogenic Agents : CK\(1577\) : AC\(756\)](#) , [Antioxidants : CK\(14410\) : AC\(5758\)](#), [Phase II Detoxification Enzyme Inducer : CK\(78\) : AC\(40\)](#)

Photoprotective (AC 1) (CK 1)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Ultraviolet Radiation Induced Damage](#) : CK(100) : AC(44)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Photoprotective](#) : CK(74) : AC(27), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Postaglandin PGE2 downregulation (AC 2) (CK 3)

Ginger extract may be developed as a functional food for the maintenance of gastrointestinal health.

Pubmed Data : [J Food Sci.](#) 2017 Mar 29. Epub 2017 Mar 29. PMID: [28369951](#)

Article Published Date : Mar 28, 2017

Authors : Yunyoung Kim, Dong-Min Kim, Ji Yeon Kim

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Gastrointestinal Inflammation](#) : CK(118) : AC(41)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Interleukin-8 downregulation](#) : CK(406) : AC(147), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Postaglandin PGE2 downregulation](#) : CK(23) : AC(11)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : [J Ethnopharmacol.](#) 2017 Dec 15. Epub 2017 Dec 15. PMID: [29253614](#)

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Postaglandin PGE2 downregulation](#) : CK(23) : AC(11), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Prophylactic Agents (AC 1) (CK 2)

Ginger extract improved antioxidant enzymes activity and reduced tHcy and MDA levels.

Pubmed Data : Iran J Med Sci. 2016 May ;41(3 Suppl):S71. PMID: [27840537](#)

Article Published Date : Apr 30, 2016

Authors : Abolfazl Akbari, Khadijeh Nasiri, Mojtaba Heydari, Seyed Hamdollah Mosavat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Alcohol Toxicity](#) : CK(660) : AC(249)

Pharmacological Actions : [Prophylactic Agents](#) : CK(129) : AC(31)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Prostaglandin Antagonists (AC 1) (CK 2)

Ginger inhibits micoglia cell activation associated with brain inflammation.

Pubmed Data : Food Chem Toxicol. 2009 Jun;47(6):1190-7. Epub 2009 Feb 20. PMID: [19233241](#)

Article Published Date : Jun 01, 2009

Authors : Hyo Won Jung, Cheol-Ho Yoon, Kwon Moo Park, Hyung Soo Han, Yong-Ki Park

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain: Microglial Activation](#) : CK(82) : AC(53), [Brain Inflammation](#) : CK(686) : AC(352), [Inflammation](#) : CK(6531) : AC(1986), [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650), [Neurodegenerative Diseases](#) : CK(6185) : AC(1785)

Pharmacological Actions : [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Nitric Oxide Inhibitor](#) : CK(390) : AC(196), [Prostaglandin Antagonists](#) : CK(27) : AC(13)

Proton Pump Inhibitor (AC 1) (CK 2)

Ginger has a gastroprotective effect through its acid blocking and anti-Helico bacter pylori activity.

Pubmed Data : Evid Based Complement Alternat Med. 2009 Jul 1. PMID: [19570992](#)

Article Published Date : Jul 01, 2009

Authors : Siddaraju M Nanjundaiah, Harish Nayaka Mysore Annaiah, Shylaja M Dharmesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Acid Reflux](#) : CK(298) : AC(43) , [Gastroesophageal Reflux](#) : CK(299) : AC(44) , [Helicobacter Pylori Infection](#) : CK(713) : AC(152)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Proton Pump Inhibitor](#) : CK(36) : AC(13)

Additional Keywords : [Natural Substances Versus Drugs](#) : CK(2055) : AC(410) , [Prevacid \(Lansoprazole\) Alternatives](#) : CK(6) : AC(3)

Quorum Sensing Inhibition (AC 1) (CK 1)

Zingerone silences quorum sensing and attenuates virulence of Pseudomonas aeruginosa.

Pubmed Data : Fitoterapia. 2015 Apr ;102:84-95. Epub 2015 Feb 20. PMID: [25704369](#)

Article Published Date : Mar 31, 2015

Authors : Lokender Kumar, Sanjay Chhibber, Rajnish Kumar, Manoj Kumar, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Pseudomonas aeruginosa](#) : CK(197) : AC(145)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(2088) : AC(821) , [Quorum Sensing Inhibition](#) :

Radioprotective (AC 8) (CK 12)

Ameliorative and protective effects of ginger and its main constituents against natural, chemical and radiation-induced toxicities.

Pubmed Data : Food Chem Toxicol. 2018 Oct 22 ;123:72-97. Epub 2018 Oct 22. PMID: [30352300](#)

Article Published Date : Oct 21, 2018

Authors : Muhammad A Alsherbiny, Wessam H Abd-Elsalam, Shymaa A El Badawy, Ehab Taher, Mohamed Fares, Allan Torres, Dennis Chang, Chun Guang Li

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Cardioprotective effect of zingerone against oxidative stress, inflammation, and apoptosis induced by cisplatin or gamma radiation.

Pubmed Data : Naunyn Schmiedebergs Arch Pharmacol. 2018 May 7. Epub 2018 May 7. PMID: [29736620](#)

Article Published Date : May 06, 2018

Authors : Ahmed F Soliman, Lobna M Anees, Doaa M Ibrahim

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Cardioprotective](#) : CK(3412) : AC(1032), [Chemoprotective Agents](#) : CK(356) : AC(146), [Radioprotective](#) : CK(1247) : AC(406)

Ginger exhibits behavioral radioprotection against

radiation-induced taste aversion.

Pubmed Data : Pharmacol Biochem Behav. 2006 Jun;84(2):179-88. Epub 2006 Jun 21. PMID: [16797061](#)

Article Published Date : Jun 01, 2006

Authors : Anupum Haksar, Ashok Sharma, Raman Chawla, Raj Kumar, Rajesh Arora, Surender Singh, J Prasad, M Gupta, R P Tripathi, M P Arora, F Islam, R K Sharma

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Radioprotective](#) : CK(1247) : AC(406)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Ginger has therapeutic properties relevant to cancer treatment.

Pubmed Data : J BUON. 2011 Jul-Sep;16(3):414-24. PMID: [22006742](#)

Article Published Date : Jul 01, 2011

Authors : M M Pereira, R Haniadka, P P Chacko, P L Palatty, M S Baliga

Study Type : Review

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Cancers: All](#) : CK(22165) : AC(7896) , [Cancers: Drug Resistant](#) : CK(562) : AC(369)

Pharmacological Actions : [Anticarcinogenic Agents](#) : CK(1577) : AC(756) , [Chemosensitizer](#) : CK(772) : AC(577) , [Radioprotective](#) : CK(1247) : AC(406)

Ginger protects mice against radiation-induced lethality.

Pubmed Data : Cancer Biother Radiopharm. 2004 Aug;19(4):422-35. PMID: [15453957](#)

Article Published Date : Aug 01, 2004

Authors : Ganesh Jagetia, Manjeshwar Baliga, Ponemone Venkatesh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436) , [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Radioprotective](#) : CK(1247) : AC(406)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Modulatory effect of zingerone against cisplatin or γ -irradiation induced hepatotoxicity by molecular targeting

regulation.

Pubmed Data : Appl Radiat Isot. 2019 Sep 10 ;154:108891. Epub 2019 Sep 10. PMID: [31536909](#)

Article Published Date : Sep 09, 2019

Authors : Hebatallah E Mohamed, Monda M M Badawy

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy and Radiation Toxicity](#) : CK(1796) : AC(457) , [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Hepatoprotective](#) : CK(3182) : AC(1418) , [Radioprotective](#) : CK(1247) : AC(406)

These results are supportive of use of ginger essential oil as a potential radioprotective compound.

Pubmed Data : Asian Pac J Cancer Prev. 2016 ;17(3):1325-32. PMID: [27039766](#)

Article Published Date : Dec 31, 2015

Authors : Kottarapat Jeena, Vijayasteltar B Liju, Viswanathan Ramanath, Ramadasan Kuttan

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Oxidative Stress](#) : CK(6519) : AC(2436)

Pharmacological Actions : [Radioprotective](#) : CK(1247) : AC(406)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

This study demonstrates the protective effect of zingerone against radiation induced DNA damage and antiapoptotic effect in human lymphocytes.

Pubmed Data : Eur J Pharmacol. 2011 Apr 25 ;657(1-3):59-66. Epub 2011 Feb 16. PMID: [21335001](#)

Article Published Date : Apr 24, 2011

Authors : Bhuvanagiri Nageshwar Rao, Parampalli Raghavendra Archana, Balkudru Kiran Aithal, Bola Sadashiva Satish Rao

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [DNA damage](#) : CK(1482) : AC(545) , [Radiation Induced Illness](#) : CK(1048) : AC(265)

Pharmacological Actions : [Anti-Apoptotic](#) : CK(1620) : AC(932) , [Radioprotective](#) : CK(1247) : AC(406)

Renoprotective (AC 13) (CK 26)

A compound in ginger known as 6-Gingerol prevents cisplatin-induced acute renal failure in rats.

Pubmed Data : J Agric Food Chem. 2005 Apr 6;53(7):2446-50. PMID: [16971750](#)

Article Published Date : Apr 06, 2005

Authors : Anurag Kuhad, Naveen Tirkey, Sangeeta Pilkhwal, Kanwaljit Chopra

Study Type : Animal Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Antineoplastic Agents : CK(1594) : AC(982) , Renoprotective : CK(1308) : AC(593)

A spice mixture containing garlic, ginger and nutmeg possesses both therapeutic and prophylactic effect against Cd-induced organ damage.

Pubmed Data : Adv Pharm Bull. 2016 Jun ;6(2):271-4. Epub 2016 Jun 30. PMID: [27478792](#)

Article Published Date : May 31, 2016

Authors : Emmanuel Ike Ugwuja, Omotayo O Erejuwa, Nicholas C Ugwu

Study Type : Animal Study

Additional Links

Substances : Garlic : CK(1099) : AC(367), Ginger : CK(775) : AC(207) , Nutmeg : CK(34) : AC(22)

Diseases : Cadmium Poisoning : CK(232) : AC(116)

Pharmacological Actions : Renoprotective : CK(1308) : AC(593)

Ameliorative Potentials of Ginger (*Z. officinale* Roscoe) on Relative Organ Weights in Streptozotocin induced Diabetic Rats.

Pubmed Data : Int J Biomed Sci. 2013 Jun ;9(2):82-90. PMID: [23847458](#)

Article Published Date : Jun 01, 2013

Authors : C O Eleazu, M Iroaganachi, P N Okafor, I I Ijeh, K C Eleazu

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Diabetes: Kidney Function : CK(79) : AC(24), Diabetes Mellitus: Type 1 : CK(1387) : AC(393), Diabetic Glomerular Hypertrophy : CK(2) : AC(1)

Galangin significantly ameliorated cisplatin induced nephrotoxicity by suppressing MAPK induced inflammation and apoptosis.

Pubmed Data : Phytomedicine. 2017 Oct 15 ;34:154-161. Epub 2017 Jun 15. PMID: [28899498](#)

Article Published Date : Oct 14, 2017

Authors : Ameesha Tomar, Swati Vasisth, Sana Irfan Khan, Salma Malik, Tapas Chandra Nag, Dharamveer Singh Arya, Jagriti Bhatia

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Renoprotective](#) : CK(1308) : AC(593)

Ginger and arabic gum may have therapeutic value in acute and chronic kidney failure.

Pubmed Data : Ren Fail. 2012 ;34(1):73-82. Epub 2011 Oct 21. PMID: [22017619](#)

Article Published Date : Jan 01, 2012

Authors : Mona Fouad Mahmoud, Abdalla Ahmed Diaai, Fahmy Ahmed

Study Type : Animal Study

Additional Links

Substances : [Arabic gum](#) : CK(14) : AC(3), [Ginger](#) : CK(775) : AC(207)

Diseases : [Kidney Failure](#) : CK(321) : AC(45), [Kidney Failure: Acute](#) : CK(61) : AC(13) , [Kidney Failure: Chronic](#) : CK(148) : AC(21)

Pharmacological Actions : [Renoprotective](#) : CK(1308) : AC(593)

Ginger and zinc mixture protected against malathion induced toxicity to the liver and kidney.

Pubmed Data : Int J Immunopathol Pharmacol. 2015 Mar ;28(1):122-8. PMID: [25816415](#)

Article Published Date : Feb 28, 2015

Authors : Ahmed A Baiomy, Hossam F Attia, Mohamed M Soliman, Omar Makrum

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zinc](#) : CK(1067) : AC(165)

Diseases : [Chemical Exposure](#) : CK(67) : AC(21), [Chemically-Induced Liver Damage](#) : CK(1157) : AC(504), [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Hepatoprotective](#) : CK(3182) : AC(1418), [Renoprotective](#) : CK(1308) : AC(593)

Additional Keywords : Malathion Toxicity : CK(2) : AC(1) , Zinc Chloride : CK(2) : AC(1)

Ginger extracts could have a potent protective effects against nephrotoxicity induced by various toxicants.

Pubmed Data : Saudi J Biol Sci. 2019 Feb ;26(2):382-389. Epub 2017 Aug 18. PMID: [31485182](#)

Article Published Date : Jan 31, 2019

Authors : Sami A Gabr, Ahmad H Alghadir, Gehan A Ghoniem

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Kidney Damage: Chemically-Induced : CK\(25\) : AC\(13\)](#)

Pharmacological Actions : [Antioxidants : CK\(14410\) : AC\(5758\)](#) , [Renoprotective : CK\(1308\) : AC\(593\)](#)

Problem Substances : [Cadmium : CK\(132\) : AC\(26\)](#)

Ginger has a protective effect against kidney damage associated with diabetes.

Pubmed Data : Chin J Physiol. 2011 Apr 30 ;54(2):79-86. PMID: [21789888](#)

Article Published Date : Apr 30, 2011

Authors : Shanmugam Kondeti Ramudu, Mallikarjuna Korivi, Nishanth Kesireddy, Li-Chen Lee, I-Shiung Cheng, Chia-Hua Kuo, Sathyavelu Reddy Kesireddy

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [Diabetes: Kidney Function : CK\(79\) : AC\(24\)](#) , [Kidney Damage : CK\(193\) : AC\(64\)](#)

Pharmacological Actions : [Renoprotective : CK\(1308\) : AC\(593\)](#)

Additional Keywords : [Plant Extracts : CK\(11762\) : AC\(4236\)](#)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: [21689445](#)

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study

Additional Links

Substances : [Ginger : CK\(775\) : AC\(207\)](#)

Diseases : [ALT: Elevated : CK\(70\) : AC\(11\)](#) , [AST: Elevated : CK\(46\) : AC\(6\)](#) , [Liver Fibrosis : CK\(383\) : AC\(172\)](#)

Pharmacological Actions : [Glutathione Upregulation : CK\(152\) : AC\(53\)](#) , [Malonaldehyde \(MDA\) Down-Regulation : CK\(20\) : AC\(6\)](#) , [Renoprotective : CK\(1308\) : AC\(593\)](#) , [Superoxide Dismutase Up-regulation : CK\(1039\) : AC\(415\)](#)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: [30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Adenosine deaminase inhibitor](#) : CK(16) : AC(5) , [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-10 downregulation](#) : CK(284) : AC(103) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Renoprotective](#) : CK(1308) : AC(593) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Essential Oils](#) : CK(181) : AC(69)

Problem Substances : [Cadmium](#) : CK(132) : AC(26)

Zingerone can be used as an effective therapeutic agent for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: [29636837](#)

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Renoprotective](#) : CK(1308) : AC(593) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone has nephroprotective effects in cisplatin rat model of nephrotoxicity.

Pubmed Data : Biomed Pharmacother. 2018 Sep ;105:225-232. Epub 2018 May 30. PMID: [29857302](#)

Article Published Date : Aug 31, 2018

Authors : Tuba Alibakhshi, Mohammad Javad Khodayar, Layasadat Khorsandi, Mohammad Rashno, Leila Zeidooni

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Chemotherapy-Induced Toxicity: Cisplatin](#) : CK(612) : AC(266)

Pharmacological Actions : [Chemoprotective Agents](#) : CK(356) : AC(146) , [Renoprotective](#) : CK(1308) : AC(593)

Zingiber officinale extract and 6-gingerol provide protection against acute mercuric chloride-intoxication.

Pubmed Data : Biomed Pharmacother. 2017 May 8 ;91:645-655. Epub 2017 May 8. PMID: [28494418](#)

Article Published Date : May 07, 2017

Authors : Deepmala Joshi, Sunil Kumar Srivastav, Sateesh Belemkar, Vaibhav A Dixit

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Gingerol](#) : CK(88) : AC(48)

Diseases : [Mercury Poisoning](#) : CK(390) : AC(111)

Pharmacological Actions : [Antioxidants](#) : CK(14410) : AC(5758) , [Hepatoprotective](#) : CK(3182) : AC(1418) , [Renoprotective](#) : CK(1308) : AC(593)

Problem Substances : [Mercury](#) : CK(237) : AC(38)

Scolicidal (AC 1) (CK 1)

Turmeric and ginger extracts have high scolicidal activity and could be used as effective scolicidal agents against Echinococcus protoscoleces.

Pubmed Data : Saudi J Biol Sci. 2017 Jan ;24(1):90-94. Epub 2016 May 14. PMID: [28053576](#)

Article Published Date : Dec 31, 2016

Authors : Esam Almalki, Esam M Al-Shaebi, Saleh Al-Quarishy, Mansour El-Matbouli, Abdel-Azeem S Abdel-Baki

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Echinococcosis](#) : CK(2) : AC(2)

Pharmacological Actions : [Scolicidal](#) : CK(1) : AC(1)

Spermatogenic (AC 2) (CK 4)

Combined ginger and cinnamon have significant beneficial effects on the sperm viability, motility, and serum total testosterone, LH,FSH and serum anti-oxidants level

Pubmed Data : Afr J Tradit Complement Altern Med. 2014 ;11(4):1-8. Epub 2014 Jun 4. PMID: [25392573](#)

Article Published Date : Dec 31, 2013

Authors : Arash Khaki, Amir Afshin Khaki, Laleh Hajhosseini, Farhad Sadeghpour Golzar, Nava Ainehchi

Study Type : Animal Study

Additional Links

Substances : Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207)

Diseases : Diabetic Complications : CK(2530) : AC(735)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Spermatogenic : CK(12) : AC(2)

Protective effect of zingerone against mouse testicular damage induced by zinc oxide nanoparticles.

Pubmed Data : Environ Sci Pollut Res Int. 2019 Jul 3. Epub 2019 Jul 3. PMID: [31270769](#)

Article Published Date : Jul 02, 2019

Authors : Zeinab Rafiee, Layasadat Khorsandi, Fereshteh Nejad-Dehbashi

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Testicular Injury: Chemical/Metal Induced : CK(8) : AC(4)

Pharmacological Actions : Antioxidants : CK(14410) : AC(5758), Spermatogenic : CK(12) : AC(2)

Problem Substances : Nanoparticles : CK(35) : AC(24), Zinc Oxide : CK(18) : AC(8)

Superoxide Dismutase Up-regulation (AC 3) (CK 6)

Ginger protects against dichlorvos and lindane induced oxidative stress in rat brain.

Pubmed Data : Pharmacognosy Res. 2012 Jan ;4(1):27-32. PMID: [22224058](#)

Article Published Date : Jan 01, 2012

Authors : Poonam Sharma, Rambir Singh

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Damage](#) : CK(93) : AC(44)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Problem Substances : [Dichlorvos](#) : CK(6) : AC(3), [Lindane](#) : CK(2) : AC(1)

Ginger protects against liver fibrosis.

Pubmed Data : Nutr Metab (Lond). 2011 ;8:40. Epub 2011 Jun 20. PMID: [21689445](#)

Article Published Date : Jan 01, 2011

Authors : Tarek K Motawi, Manal A Hamed, Manal H Shabana, Reem M Hashem, Asmaa F Aboul Naser

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [ALT: Elevated](#) : CK(70) : AC(11), [AST: Elevated](#) : CK(46) : AC(6), [Liver Fibrosis](#) : CK(383) : AC(172)

Pharmacological Actions : [Glutathione Upregulation](#) : CK(152) : AC(53), [Malonaldehyde \(MDA\) Down-Regulation](#) : CK(20) : AC(6), [Renoprotective](#) : CK(1308) : AC(593), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Protective effects of ginger root extract on Alzheimer disease-induced behavioral dysfunction in rats.

Pubmed Data : Rejuvenation Res. 2013 Apr ;16(2):124-33. PMID: [23374025](#)

Article Published Date : Apr 01, 2013

Authors : Gao-Feng Zeng, Zhi-Yong Zhang, Li Lu, De-Qiang Xiao, Shao-Hui Zong, Jian-Ming He

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Malondialdehyde Down-regulation](#) : CK(1452) : AC(466), [Neuroprotective Agents](#) : CK(6374) : AC(2801), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Superoxide Dismutase Up-regulation](#) : CK(1039) : AC(415)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Survivin Down-Regulation (AC 1) (CK 1)

This study showed the functions of shogaol as a sensitizing agent to induce cell death of TRAIL-resistant colon cancer cells.

Pubmed Data : Tumour Biol. 2015 Jun 11. Epub 2015 Jun 11. PMID: [26063410](#)

Article Published Date : Jun 10, 2015

Authors : Jung Soon Hwang, Hai-Chon Lee, Sang Cheul Oh, Dae-Hee Lee, Ki Han Kwon

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Chemosensitizer](#) : CK(772) : AC(577), [Survivin Down-Regulation](#) : CK(15) : AC(13)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

TRAIL sensitizer (AC 1) (CK 1)

Gingerol is a sensitizing agent which induces cell death of TRAIL resistant glioblastoma cells.

Pubmed Data : Toxicol Appl Pharmacol. 2014 Sep 15 ;279(3):253-65. Epub 2014 Jul 14. PMID: [25034532](#)

Article Published Date : Sep 14, 2014

Authors : Dae-Hee Lee, Dong-Wook Kim, Chang-Hwa Jung, Yong J Lee, Daeho Park

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Glioblastoma](#) : CK(398) : AC(193)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [TRAIL sensitizer](#) : CK(3) : AC(2)

Additional Keywords : Apoptosis Regulatory Proteins : CK(1) : AC(1)

Telomerase Inhibitor (AC 1) (CK 1)

Ginger exhibits anti-lung cancer properties.

Pubmed Data : J Med Food. 2010 Dec;13(6):1347-54. PMID: [21091248](#)

Article Published Date : Dec 01, 2010

Authors : Wirote Tuntiwechapikul, Thanachai Taka, Chonnipa Songsomboon, Navakoon Kaewtunjai, Arisa Imsumran, Luksana Makonkawkeyoon, Wilart Pompimon, T Randall Lee

Study Type : In Vitro Study

Additional Links

Substances : Catechols : CK(14) : AC(11), Ginger : CK(775) : AC(207)

Diseases : Lung Cancer : CK(1741) : AC(742)

Pharmacological Actions : Antiproliferative : CK(4773) : AC(3450), Telomerase Inhibitor : CK(55) : AC(35)

Additional Keywords : Plant Extracts : CK(11762) : AC(4236)

Thermogenic (AC 1) (CK 10)

Ginger consumption enhances the thermic effect of food and promotes feelings of satiety without affecting metabolic and hormonal parameters in overweight men.

Pubmed Data : Metabolism. 2012 Oct ;61(10):1347-52. Epub 2012 Apr 24. PMID: [22538118](#)

Article Published Date : Oct 01, 2012

Authors : Muhammad S Mansour, Yu-Ming Ni, Amy L Roberts, Michael Kelleman, Arindam Roychoudhury, Marie-Pierre St-Onge

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Overweight : CK(5806) : AC(1169), Weight Problems: Appetite : CK(162) : AC(22)

Pharmacological Actions : Thermogenic : CK(57) : AC(9)

Tumor Necrosis Factor (TNF) Alpha Inhibitor (AC 27) (CK 56)

"Ginger extract (Zingiber officinale) has anti-cancer and anti-inflammatory effects on ethionine-induced hepatoma rats."

Pubmed Data : Clinics (Sao Paulo). 2008 Dec ;63(6):807-13. PMID: [19061005](#)

Article Published Date : Dec 01, 2008

Authors : Shafina Hanim Mohd Habib, Suzana Makpol, Noor Aini Abdul Hamid, Srijit Das, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Liver Cancer: Prevention](#) : CK(184) : AC(38)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antineoplastic Agents](#) : CK(1594) : AC(982), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

6-Gingerol, a compound found within ginger, inhibits inflammation.

Pubmed Data : Biochem Biophys Res Commun. 2009 Apr 24;382(1):134-9. Epub 2009 Mar 4. PMID: [19268427](#)

Article Published Date : Apr 24, 2009

Authors : Tzung-Yan Lee, Ko-Chen Lee, Shih-Yuan Chen, Hen-Hong Chang

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

6-paradol effectively protects brain after cerebral ischemia, likely by attenuating neuroinflammation in

microglia.

Pubmed Data : PLoS One. 2015 ;10(3):e0120203. Epub 2015 Mar 19. PMID: [25789481](#)

Article Published Date : Dec 31, 2014

Authors : Bhakta Prasad Gaire, Oh Wook Kwon, Sung Hyuk Park, Kwang-Hoon Chun, Sun Yeou Kim, Dong Yun Shin, Ji Woong Choi

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Brain Inflammation](#) : CK(686) : AC(352), [Central Nervous System Diseases](#) : CK(6) : AC(6) , [Cerebral Ischemia](#) : CK(443) : AC(192)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Neuroprotective Agents](#) : CK(6374) : AC(2801), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : [Paradols](#) : CK(1) : AC(1)

Anti-inflammatory and anti-thrombotic effects of zingerone in a rat model of myocardial infarction.

Pubmed Data : Eur J Pharmacol. 2016 Nov 15 ;791:595-602. Epub 2016 Aug 26. PMID: [27568839](#)

Article Published Date : Nov 14, 2016

Authors : K L Hemalatha, P Stanely Mainzen Prince

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Myocardial Infarction](#) : CK(1334) : AC(246)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Curcumin, Resveratrol and Gingerol decrease prostate inflammation

Pubmed Data : Carcinogenesis. 2007 Jun;28(6):1188-96. Epub 2006 Dec 6. PMID: [17151092](#)

Article Published Date : Jun 01, 2007

Authors : Larisa Nonn, David Duong, Donna M Peehl

Study Type : In Vitro Study

Additional Links

Substances : [Curcumin](#) : CK(4844) : AC(2458), [Ginger](#) : CK(775) : AC(207) , [Resveratrol](#) : CK(1649) : AC(947)

Diseases : [Prostate Cancer](#) : CK(2097) : AC(687)

Pharmacological Actions : [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Dietary intake of C. longa and Z. officinale potentiates the

non-specific host defences against opportunistic infections.

Pubmed Data : Cell Immunol. 2012 Nov ;280(1):92-100. Epub 2012 Dec 10. PMID: [23295981](#)

Article Published Date : Oct 31, 2012

Authors : Biswajit Chakraborty, Mahuya Sengupta

Study Type : Animal Study

Additional Links

Substances : Curcumin : CK(4844) : AC(2458), Curcuminoids : CK(5183) : AC(2535), Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Pharmacological Actions : Immunostimulatory : CK(442) : AC(114), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Phytotherapy : CK(2309) : AC(597), Plant Extracts : CK(11762) : AC(4236)

Effect of essential oils from ginger and turmeric rhizomes on some inflammatory biomarkers in cadmium induced neurotoxicity in rats.

Pubmed Data : J Toxicol. 2018 ;2018:4109491. Epub 2018 Oct 8. PMID: [30402094](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Philip Adeyemi Adeniyi

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Cadmium Poisoning : CK(232) : AC(116)

Pharmacological Actions : Acetylcholinesterase Inhibitor : CK(37) : AC(19), Anti-Inflammatory Agents : CK(12461) : AC(4729), Interleukin-10 downregulation : CK(284) : AC(103), Interleukin-6 Downregulation : CK(3054) : AC(1144), Neuroprotective Agents : CK(6374) : AC(2801), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Problem Substances : Cadmium : CK(132) : AC(26)

Ginger and turmeric rhizomes decreased the anti-inflammatory cytokines in hypertensive rats.

Pubmed Data : Planta Med. 2016 Mar 22. Epub 2016 Mar 22. PMID: [27002391](#)

Article Published Date : Mar 21, 2016

Authors : Ayodele Jacob Akinyemi, Gustavo Roberto Thomé, Vera Maria Morsch, Nathieli B Bottari, Jucimara Baldissarelli, Lizielle Souza de Oliveira, Jeferson Ferraz Goularte, Adriane Belló-Klein, Thiago Duarte, Marta Duarte, Aline Augusti Boligon, Margareth Linde Athayde, Akintunde Afolabi Akindahunsi, Ganiyu Oboh, Maria Rosa Chitolina Schetinger

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Turmeric : CK(5994) : AC(2727)

Diseases : Hypertension : CK(4573) : AC(670) , Inflammation : CK(6531) : AC(1986)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Interleukin-10 downregulation : CK(284) : AC(103) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Ginger efficiently reduced the lung damage and protected the lungs from severe damage due to hyperoxia and inflammation.

Pubmed Data : Turk J Med Sci. 2018 Aug 16 ;48(4):892-900. Epub 2018 Aug 16. PMID: [30121057](#)

Article Published Date : Aug 15, 2018

Authors : Atilla Çıfci, Cüneyt Tayman, Halil İbrahim Yakut, Halit Halil, Esra Çakır, Ufuk Çakır, Salih Aydemir

Study Type : Human: Case Report

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Bronchopulmonary Dysplasia : CK(1) : AC(1) , Inflammation : CK(6531) : AC(1986) , Oxidative Stress : CK(6519) : AC(2436)

Pharmacological Actions : Anti-Apoptotic : CK(1620) : AC(932) , Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Interleukin-1 beta downregulation : CK(1743) : AC(868) , Interleukin-6 Downregulation : CK(3054) : AC(1144) , Malondialdehyde Down-regulation : CK(1452) : AC(466) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Additional Keywords : Phytotherapy : CK(2309) : AC(597) , Plant Extracts : CK(11762) : AC(4236)

Ginger supplementation with antitubercular treatment significantly lowered TNF alpha, ferritin and MDA concentrations.

Pubmed Data : J Complement Integr Med. 2016 Jun 1 ;13(2):201-6. PMID: [27089418](#)

Article Published Date : May 31, 2016

Authors : Rashmi Anant Kulkarni, Ajit Ramesh Deshpande

Study Type : Human Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Tuberculosis : CK(440) : AC(64)

Therapeutic Actions : Integrative Medicine : CK(312) : AC(45)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729) , Antioxidants : CK(14410) : AC(5758) , Malondialdehyde Down-regulation : CK(1452) : AC(466) , Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Ginger therapy efficiently ameliorated the severity of intestinal damage in necrotizing enterocolitis and may be

a promising treatment option.

Pubmed Data : J Ethnopharmacol. 2018 Jul 10. Epub 2018 Jul 10. PMID: [30005955](#)

Article Published Date : Jul 09, 2018

Authors : Ufuk Cakir, Cuneys Tayman, Utku Serkant, Halil Ibrahim Yakut, Esra Cakir, Ufuk Ates, Ismail Koyuncu, Eyyup Karaogul

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Necrotising enterocolitis](#) : CK(90) : AC(14)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Ginger's anti-inflammatory activity is mediated by inhibiting macrophage and neutrophils activation.

Pubmed Data : J Ethnopharmacol. 2017 Dec 15. Epub 2017 Dec 15. PMID: [29253614](#)

Article Published Date : Dec 14, 2017

Authors : Shahira M Ezzat, Marwa I Ezzat, Mona M Okba, Esther T Menze, Ashraf B Abdel-Naim

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Inflammation](#) : CK(6531) : AC(1986)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Prostaglandin PGE2 downregulation](#) : CK(23) : AC(11), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Nephroprotective effect of essential oils from ginger and turmeric rhizomes against cadmium-induced nephrotoxicity.

Pubmed Data : J Oleo Sci. 2018 ;67(10):1339-1345. PMID: [30305562](#)

Article Published Date : Dec 31, 2017

Authors : Ayodele Jacob Akinyemi, Oluwabamise Lekan Faboya, Awonegan Ayodeji Paul, Israel Olayide, Opeyemi Ayodeji Faboya, Titus Ademola Oluwasola

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Adenosine deaminase inhibitor](#) : CK(16) : AC(5), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-10 downregulation](#) : CK(284) : AC(103), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Renoprotective](#) : CK(1308) : AC(593), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Additional Keywords : Essential Oils : CK(181) : AC(69)

Problem Substances : Cadmium : CK(132) : AC(26)

Structural alterations in *Pseudomonas aeruginosa* by zingerone contribute to enhanced susceptibility to antibiotics, serum and phagocytes.

Pubmed Data : Life Sci. 2014 Nov 4 ;117(1):24-32. Epub 2014 Sep 30. PMID: [25277943](#)

Article Published Date : Nov 03, 2014

Authors : Lokender Kumar, Sanjay Chhibber, Kusum Harjai

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : *Pseudomonas aeruginosa* : CK(197) : AC(145)

Pharmacological Actions : Anti-Bacterial Agents : CK(2088) : AC(821), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

The antioxidant and anti-inflammatory roles of zingerone protect against ethanol-induced hepatotoxicity.

Pubmed Data : Mol Cell Biochem. 2016 Oct ;421(1-2):169-81. Epub 2016 Aug 20. PMID: [27544404](#)

Article Published Date : Sep 30, 2016

Authors : Vijay Mani, Sivaranjani Arivalagan, Aktarul Islam Siddique, Nalini Namasivayam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Alcohol Toxicity : CK(660) : AC(249), Lipid Peroxidation : CK(1178) : AC(476)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645), Interleukin-6 Downregulation : CK(3054) : AC(1144), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

This finding supports the contention that ginger holds positive pharmaceutical effects against osteoarthritis.

Pubmed Data : Planta Med. 2017 Feb ;83(3-04):268-276. Epub 2016 Aug 30. PMID: [27574898](#)

Article Published Date : Jan 31, 2017

Authors : Jetsada Ruangsuriya, Piyaporn Budprom, Nawarat Viriyakhasem, Patiwat Kongdang, Chatchadawalai Chokchaitaweek, Nutnicha Sirikaew, Siriwee Chomdej, Korakot Nganvongpanit, Siriwan Ongchai

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Osteoarthritis : CK(770) : AC(115)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Z. officinale paste could be used as natural spice and a potent antitumour agent.

Pubmed Data : Appl Biochem Biotechnol. 2016 Jul 19. Epub 2016 Aug 19. PMID: [27435276](#)

Article Published Date : Jul 18, 2016

Authors : Sundararaj Rubila, Thottiam Vasudevan Ranganathan, Kunnathur Murugesan Sakthivel

Study Type : In Vitro Study

Additional Links

Substances : Ginger : CK(775) : AC(207)

Diseases : Lymphoma: Dalton's : CK(3) : AC(2)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Antioxidants : CK(14410) : AC(5758), Interleukin-1 beta downregulation : CK(1743) : AC(868), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone ameliorates cisplatin-induced ovarian and uterine toxicity.

Pubmed Data : Biomed Pharmacother. 2018 Jun ;102:517-530. Epub 2018 Mar 26. PMID: [29587238](#)

Article Published Date : May 31, 2018

Authors : Erdal Kaygusuzoglu, Cuneyt Caglayan, Fatih Mehmet Kandemir, Serkan Yildirim, Sefa Kucukler, Mehmet Akif Kılinc, Yavuz Selim Saglam

Study Type : Animal Study

Additional Links

Substances : Ginger : CK(775) : AC(207), Polyphenols : CK(1353) : AC(489)

Diseases : Chemotherapy-Induced Toxicity: Cisplatin : CK(612) : AC(266)

Pharmacological Actions : Anti-Inflammatory Agents : CK(12461) : AC(4729), Chemoprotective Agents : CK(356) : AC(146), Cyclooxygenase 2 Inhibitors : CK(1114) : AC(645), Interleukin-1 beta downregulation : CK(1743) : AC(868), Interleukin-6 Downregulation : CK(3054) : AC(1144), NF-kappaB Inhibitor : CK(2446) : AC(1436), Tumor Necrosis Factor (TNF) Alpha Inhibitor : CK(4357) : AC(1763)

Zingerone ameliorates lipopolysaccharide-induced acute kidney injury.

Pubmed Data : Eur J Pharmacol. 2016 Feb 5 ;772:108-14. Epub 2015 Dec 14. PMID: [26698392](#)

Article Published Date : Feb 04, 2016

Authors : Jie Song, Hao-jun Fan, Hui Li, Hui Ding, Qi Lv, Shi-ke Hou

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13) , [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650)

Pharmacological Actions : [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone ameliorates renal function via controlling oxidative burst and inflammation in experimental diabetic nephropathy.

Pubmed Data : Arch Physiol Biochem. 2018 Mar 14;1-9. Epub 2018 Mar 14. PMID: [29537332](#)

Article Published Date : Mar 13, 2018

Authors : Muneeb U Rehman, Shahzada Mudassir Rashid, Saiema Rasool, Sheeba Shakeel, Bilal Ahmad, Sheikh Bilal Ahmad, Hassan Madkhali, Majid Ahmad Ganaie, Sabiya Majid, Showkat Ahmad Bhat

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Antioxidants](#) : CK(14410) : AC(5758) , [Hypoglycemic Agents](#) : CK(3297) : AC(841) , [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone attenuates lipopolysaccharide-induced acute lung injury in mice.

Pubmed Data : Int Immunopharmacol. 2014 Mar ;19(1):103-9. Epub 2014 Jan 9. PMID: [24412620](#)

Article Published Date : Feb 28, 2014

Authors : Xianxing Xie, Shicheng Sun, Weiting Zhong, Lanan Wassy Soromou, Xuan Zhou, Miaomiao Wei, Yanling Ren, Yu Ding

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207) , [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Lipopolysaccharide-Induced Toxicity](#) : CK(1105) : AC(650) , [Lung Injury: Acute](#) : CK(34) : AC(17)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729) , [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144) , [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436) , [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone can be used as an effective therapeutic agent

for the treatment of drug-induced nephrotoxicity.

Pubmed Data : Oxid Med Cell Longev. 2018 ;2018:2474831. Epub 2018 Jan 30. PMID: [29636837](#)

Article Published Date : Dec 31, 2017

Authors : Mohammed M Safhi

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Kidney Damage: Chemically-Induced](#) : CK(25) : AC(13)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Renoprotective](#) : CK(1308) : AC(593), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone is a promising therapeutic treatment to attenuate diabetic nephropathy.

Pubmed Data : Biomed Pharmacother. 2018 Mar ;99:422-430. PMID: [29367111](#)

Article Published Date : Feb 28, 2018

Authors : Yan Cui, Yan Shi, Yan Bao, Shulong Wang, Qiuju Hua, Yun Liu

Study Type : Animal Study, In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Nephropathy](#) : CK(394) : AC(151)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone might be useful in the treatment of sepsis by targeting HMGB1.

Pubmed Data : Toxicol Appl Pharmacol. 2017 08 15 ;329:202-211. Epub 2017 Jun 10. PMID: [28610995](#)

Article Published Date : Jan 14, 2017

Authors : Wonhwa Lee, Sae-Kwang Ku, Jong-Sup Bae

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Endotoxemia](#) : CK(83) : AC(43), [Sepsis](#) : CK(473) : AC(147)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone protects against alloxan-induced diabetes.

Pubmed Data : Saudi Pharm J. 2018 Dec ;26(8):1137-1145. Epub 2018 Jul 29. PMID: [30532634](#)

Article Published Date : Nov 30, 2018

Authors : Bilal Ahmad, Muneeb U Rehman, Insha Amin, Manzoor Ur Rahman Mir, Sheikh Bilal Ahmad, Adil Farooq, Showkeen Muzamil, Ishraq Hussain, Mubashir Masoodi, Bilques Fatima

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Diabetes](#): [Oxidative Stress](#) : CK(131) : AC(40)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Antioxidants](#) : CK(14410) : AC(5758), [Interleukin-2 Downregulation](#) : CK(4) : AC(3), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingerone protects keratinocyte stem cells from UVB-induced damage.

Pubmed Data : Chem Biol Interact. 2018 Jan 5 ;279:27-33. Epub 2017 Nov 5. PMID: [29117507](#)

Article Published Date : Jan 04, 2018

Authors : Jienny Lee, Sae Woong Oh, Seoung Woo Shin, Kyung-Woo Lee, Jae-Youl Cho, Jongsung Lee

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Inflammation](#) : CK(6531) : AC(1986), [Ultraviolet Radiation Induced Damage](#) : CK(100) : AC(44)

Pharmacological Actions : [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [Interleukin-1 beta downregulation](#) : CK(1743) : AC(868), [Interleukin-6 Downregulation](#) : CK(3054) : AC(1144), [Photoprotective](#) : CK(74) : AC(27), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: [27293376](#)

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Angiogenic](#) : CK(282) : AC(192), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763), [Vascular Endothelial Growth Factor Inhibitors](#) : CK(123) : AC(61)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Tumor Suppressor Protein p53 Upregulation (AC 2) (CK 6)

Mango ginger treatment inhibited tumor growth rate with and without VBL and increased the survival rate significantly.

Pubmed Data : Phytother Res. 2015 May 4. Epub 2015 May 4. PMID: [25939344](#)

Article Published Date : May 03, 2015

Authors : Cheppail Ramachandran, Karl-W Quirin, Enrique A Escalon, Ivonne V Lollett, Steven J Melnick

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Turmeric](#) : CK(5994) : AC(2727)

Diseases : [Rhabdomyosarcoma](#) : CK(8) : AC(5)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Bcl-2 protein down-regulation](#) : CK(419) : AC(295), [Cyclooxygenase 2 Inhibitors](#) : CK(1114) : AC(645), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Gene Expression Regulation](#) : CK(431) : AC(214), [Natural Substance/Drug Synergy](#) : CK(352) : AC(142), [Significant Treatment Outcome](#) : CK(3038) : AC(366)

Zerumbone was able to induce apoptosis of pancreatic carcinoma cell lines

Pubmed Data : Evid Based Complement Alternat Med. 2012 ;2012:936030. Epub 2012 Jan 29. PMID: [22454691](#)

Article Published Date : Jan 01, 2012

Authors : Songyan Zhang, Qiaojing Liu, Yanju Liu, Hong Qiao, Yu Liu

Study Type : Human In Vitro

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Zerumbone](#) : CK(46) : AC(24)

Diseases : [Pancreatic Cancer](#) : CK(1127) : AC(363)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Caspase-3 Activation](#) : CK(137) : AC(90), [P21 Activation](#) : CK(72) : AC(47), [Tumor Suppressor Protein p53 Upregulation](#) : CK(480) : AC(343)

Additional Keywords : [Zerumbone](#) : CK(5) : AC(1)

Vascular Endothelial Growth Factor Inhibitors (AC 1) (CK 2)

Zingiber officinale attenuates retinal microvascular changes in STZ-induced diabetic rats.

Pubmed Data : Mol Vis. 2016 ;22:599-609. Epub 2016 Jun 9. PMID: [27293376](#)

Article Published Date : Dec 31, 2015

Authors : Shirish Dongare, Suresh K Gupta, Rajani Mathur, Rohit Saxena, Sandeep Mathur, Renu Agarwal, Tapas C Nag, Sushma Srivastava, Pankaj Kumar

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Gingerol](#) : CK(88) : AC(48)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Anti-Angiogenic](#) : CK(282) : AC(192), [Anti-Inflammatory Agents](#) : CK(12461) : AC(4729), [NF-kappaB Inhibitor](#) : CK(2446) : AC(1436), [Tumor Necrosis Factor \(TNF\) Alpha Inhibitor](#) : CK(4357) : AC(1763), [Vascular Endothelial Growth Factor Inhibitors](#) : CK(123) : AC(61)

Additional Keywords : [Plant Extracts](#) : CK(11762) : AC(4236)

Vasodilator Agents (AC 1) (CK 2)

Protective effect of zingerone on increased vascular contractility in diabetic rat aorta.

Pubmed Data : Eur J Pharmacol. 2016 Jun 5 ;780:174-9. Epub 2016 Mar 25. PMID: [27020549](#)

Article Published Date : Jun 04, 2016

Authors : Salah A Ghareib, Hany M El-Bassossy, Ahmed A Elberry, Ahmad Azhar, Malcolm L Watson, Zainy M Banjar, Abdulrahman M Alahdal

Study Type : Animal Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Polyphenols](#) : CK(1353) : AC(489)

Diseases : [Diabetic Complications](#) : CK(2530) : AC(735)

Pharmacological Actions : [Vasodilator Agents](#) : CK(347) : AC(74)

Vasopressin Inhibitor (AC 1) (CK 10)

Ginger has a therapeutic effect on motion sickness.

Pubmed Data : Nutr Cancer. 2007;58(1):60-5. PMID: [12576305](#)

Article Published Date : Jan 01, 2007

Authors : Han-Chung Lien, Wei Ming Sun, Yen-Hsueh Chen, Hyerang Kim, William Hasler, Chung Owyang

Study Type : Human Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207)

Diseases : [Motion Sickness](#) : CK(10) : AC(1)

Pharmacological Actions : [Vasopressin Inhibitor](#) : CK(12) : AC(2)

Wnt/ β -catenin signaling pathway modulation (AC 1) (CK 1)

The combination of Gelam honey and ginger may serve as a potential therapy in the treatment of colorectal cancer.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(15):6549-56. PMID: [26434873](#)

Article Published Date : Dec 31, 2014

Authors : Lee Heng Wee, Noor Azian Morad, Goon Jo Aan, Suzana Makpol, Wan Zurinah Wan Ngah, Yasmin Anum Mohd Yusof

Study Type : In Vitro Study

Additional Links

Substances : [Ginger](#) : CK(775) : AC(207), [Honey](#) : CK(784) : AC(188)

Diseases : [Colon Cancer](#) : CK(1217) : AC(742)

Pharmacological Actions : [Apoptotic](#) : CK(5217) : AC(3846), [Chemopreventive](#) : CK(4220) : AC(1326), [Wnt/ \$\beta\$ -catenin signaling pathway modulation](#) : CK(36) : AC(24)

Additional Keywords : [Dose Response](#) : CK(1519) : AC(574), [Gene Expression Regulation](#) : CK(431) : AC(214), [Plant Extracts](#) : CK(11762) : AC(4236)

β -secretase Inhibitor (AC 1) (CK 1)

Long-term consumption of aromatic compounds from spices could be effective in the prevention of Alzheimer's disease.

Pubmed Data : Nat Prod Commun. 2016 Apr ;11(4):507-10. PMID: [27396206](#)

Article Published Date : Mar 31, 2016

Authors : Shinichi Matsumura, Kazuya Murata, Yuri Yoshioka, Hideaki Matsuda

Study Type : In Vitro Study

Additional Links

Substances : Cardamom : CK(42) : AC(11), Cinnamon : CK(309) : AC(119), Ginger : CK(775) : AC(207), Long Pepper : CK(15) : AC(9), Turmeric : CK(5994) : AC(2727)

Diseases : Alzheimer's Disease : CK(2442) : AC(871)

Pharmacological Actions : Neuroprotective Agents : CK(6374) : AC(2801), β -secretase Inhibitor : CK(1) : AC(1)

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