

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Zingiber officinale

Activity	Chemical Count
Xanthine-Oxidase-Inhibitor	2
Vulnerary	7
Vibriocide	2
Verrucolytic	2
Vermifuge	1
VEGF-Inhibitor	3
Vasodilator	14
Vasoconstrictor	1
Varroacide	2
Uterotrophic	1
Uterosedative	1
Uterorelaxant	1
Urine-Deodorant	1
Urine-Acidifier	1
Urinary-Acidulant	1
Uricosuric	3
Uricogenic	1
Ulcerogenic	4
Ubiquiot	4
Tyrosine-Kinase-Inhibitor	2
Tyrosinase-Inhibitor	6
Tumorigenic	2
Tumor-Promoter	2
Trypsin-Enhancer	2
Trypanocide	1
Triglycerigenic	1
Trichomonistat	2

Activity	Chemical Count
Trichomonicide	11
Tremorigenic	1
Transdermal	6
Tranquilizer	5
Topoisomerase-II-Inhibitor	4
Topoisomerase-I-Inhibitor	4
TNF-Inhibitor	1
TNF-alpha-Inhibitor	2
Thyrotropic	1
Thymoprotective	1
Thermogenic	6
Testosteronigenic	1
Testosterone-Inducer	1
Testosterone-Hydroxylase-Inducer	1
Termitifuge	3
Termiticide	4
Teratologic	2
Teratogenic	2
Taenicide	1
Sympathomimetic	1
Sweetener	3
Surfactant	1
Suppository	1
Sunscreen	3
Sucrase-Promoter	1
Stomachic	2
Stimulant	2

Activity	Chemical Count
Sprout-Inhibitor	1
Spermigenic	2
Spermicide	3
Spasmolytic	1
Spasmogenic	5
Sortase-A-Inhibitor	1
Soap	2
Sialogogue	1
Serotoninerpic	3
Sedative	31
Secretagogue	3
Schizophrenigenic	1
Rubefacient	3
Roborant	1
Respirotoxic	1
Respirastimulant	1
Respirasensitizer	1
Respirapalytic	1
Respirainhibitor	1
Repellent	1
Renotoxic	1
Renoirritant	1
Radioprotective	1
Quinone-Reductase-Inducer	4
Pyrogenic	1
Pulmonoprotective	1
PTK-Inhibitor	2

Activity	Chemical Count
Protisticide	2
Proteolytic	1
Protein-Kinase-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protease-Inhibitor	1
Prostatitigenic	1
Prostaglandin-Synthesis-Inhibitor	9
Prostaglandin-Sparer	1
Prostaglandigenic	4
Propecic	5
Prooxidant	5
Proliferant	1
Prolactinogenic	1
Progesteronigenic	1
Pressor	1
Preservative	2
Poultice	1
Polyamine-Synthesis-Inhibitor	1
Plasmodicide	2
Pituitary-Stimulant	1
Pigment	2
Phytoalexin	2
Phototoxic	1
Photosensitizer	1
Phospholipase-Inhibitor	1
Pheromone	1
Pheromonal	1

Activity	Chemical Count
Phagocytotic	2
PGE2-Inhibitor	2
Pesticide	87
Peristaltic	1
Perfumery	43
Perfume	3
Percutaneostimulant	2
Pediculicide	1
Paralytic	1
PAF-Inhibitor	1
P450-Inhibitor	2
P450-Inducer	5
P450-2B1-Inhibitor	6
Ozone-Scavenger	1
Oxidase-Inhibitor	1
Oxidant	2
Ovulant	1
Oviposition-Stimulant	1
Osteolytic	1
Osteogenic	1
Ornithine-Decarboxylase-Inhibitor	7
Ophthalmic-Antialkali	1
Occuloirritant	1
NO-Synthase-Inhibitor	1
NO-Scavenger	1
NO-Inhibitor	5
NO-Genic	3

Activity	Chemical Count
NF-kB-Inhibitor	5
Neurotransmitter	2
Neurotoxic	5
Neuroprotective	4
Neuroinhibitor	2
Neurogenic	1
Neuroexcitant	1
NEP-Inhibitor	1
Neoplastic	1
Nematicide	27
Natriuretic	1
Narcotic	3
NADH-Oxidase-Inhibitor	1
Myorelaxant	7
Mycobactericide	1
Mutagenic?	1
Mutagenic	9
Mucolytic	2
Mucogenic	3
Motor-Stimulant	2
Motor-Depressant	6
Mosquitofuge	2
Mosquitocide	1
Monoamine-Precursor	3
Molluscicide	3
MMP-9-Inhibitor	2
Metastatic	1

Activity	Chemical Count
Metalloproteinase-Inhibitor	1
Metal-Chelator (Copper)	2
Metal-Chelator	4
Memory-Enhancer	1
Memorigenic	1
MDR-Inhibitor	1
Mast-Cell-Stabilizer	1
MAO-Inhibitor	1
MAO-A-Inhibitor	1
Maltase-Promoter	1
Lymphocytogenic	1
Lyase-Inhibitor	1
Lubricant	3
Litholytic	2
Lithogenic	1
Lipoxygenase-Inhibitor	6
Lipotropic	2
Lipolytic	1
Lipase-Inducer	1
Leukotriene-Inhibitor	2
Leptingenic	1
Laxative	7
Larvostat	3
Larvicide	5
Keratitogenic	1
Juvabional	5
JNK-Inhibitor	1

Activity	Chemical Count
Irritant?	1
Irritant	27
Iodothyronine-Deiodinase-Inhibitor	1
Interleukin-6-Inhibitor	2
Interferonogenic	2
Interferon-Synergist	1
Insulinotonic	1
Insulinogenic	4
Insulinase-Inhibitor	1
Insulin-Sparing	1
Insectiphile	4
Insectifuge?	1
Insectifuge	30
Insecticide	9
Insect-Repellent	2
Inotropic	3
iNOS-Inhibitor	2
Inhalant	1
Inflammatory	1
Immunosuppressant	4
Immunostimulant	12
Immunomodulator	8
Ileorelaxant	1
IKK-Inhibitor	1
IKB-kinase-Inhibitor	1
IkappaB-alpha-Phosphorylation-Inhibitor	1
ICAM-1-Inhibitor	1

Activity	Chemical Count
Hypouricemic	1
Hypotriglyceridemic	1
Hypothermic	4
Hypotensive	18
Hypolipidemic	4
Hypoglycemic	10
Hypocholesterolemic?	1
Hypocholesterolemic	19
Hypoarginanemic	1
Hypoammonemic	1
Hypnotic	3
Hypertensive	3
Hyperglycemic	2
Hypercholesterolemic	4
Hydrocholerectic	1
HIV-RT-Inhibitor	2
Histaminic	1
Histamine-Inhibitor	2
Herbistat	1
Herbicide	14
Hepatotropic	2
Hepatotoxic	1
Hepatotonic	1
Hepatoprotective	17
Hepatomagenic	1
Hepatocarcinogenic	1
Hemostatic	1

Activity	Chemical Count
Hemostat	1
Hemolytic	1
GST-Inducer	1
Gram(-)icide	1
Gram(+)icide	1
Gonadotrophic	2
Glutathionigenic	4
Glutathionergic	1
Glucosyl-Transferase-Inhibitor	1
Glaucomagenic	1
Gastrostimulant	4
Gastroprotective	3
GABA-nergic	2
Fungistat	3
Fungiphilic	1
Fungicide	43
FLavor	52
Flatugenic	2
Fistula-Preventive	1
Fibrinolytic	2
Febrifuge	1
Fatal	1
Expectorant	13
Estrogenic	8
Essential	8
Erythrocytogenic	1
Ergogenic	1

Activity	Chemical Count
Epileptogenic	1
Enterorelaxant	1
Enteromotility-Enhancer	2
Enterocontractant	1
Energizer	1
Endocrinactive	1
Encephalopathic	1
Emollient	1
Emmenagogue	1
Emetic	6
Embryotoxic	2
Edemagenic	1
Ecbolic	1
Dye	1
DNA-Protective	2
DNA-Active	1
Diuretic	14
Digestive	1
Differentiator	1
Diaphoretic?	3
Diaphoretic	1
Detoxicant (Alcohol)	1
Detoxicant	4
Dermatitogenic	3
Dermal	1
Depressor	1
Depressant	2

Activity	Chemical Count
Deodorant	3
Dentifrice	1
Demulcent	1
Deliriant	1
Deiodinase-Inhibitor	1
Degranulant	1
Decongestant	2
Cytotoxic	9
Cytoprotective	1
Cytochrome-P450-Inhibitor	3
Cytochrome-P450-Inducer	3
Cytochrome-P450-1A2-Inhibitor	1
Cyclooxygenase-Inhibitor	9
Culicide	1
COX-2-Inhibitor	8
COX-1-Inhibitor	3
Counterirritant	2
Cosmetic	3
Copper-Chelator	2
Copper-Antagonist	1
Convulsant	3
Contraceptive	2
COMT-Inhibitor	1
COMP-Inhibitor	1
Comedolytic	1
Colorant	1
Collyrium	1

Activity	Chemical Count
Collagenic	2
Collagen-Sparing	2
Coleoptophile	1
Cold-preventive	1
Co-carcinogenic	1
CNS-Toxic	1
CNS-Stimulant	5
CNS-Paralytic	1
CNS-Inhibitor	2
CNS-Depressant	6
CNS-Active	2
Clastogenic	2
Circulotonic	1
Cicatrizant	1
Cholinergic	1
Cholesterolytic	1
Choleretic	14
Cholagogue	8
Chemopreventive	9
Chelator	1
Catabolic	2
Caspase-8-Inducer	1
Caspase-3-Inducer	1
Carminative	5
Cardiovascular	1
Cardiotoxic	1
Cardiotonic	7

Activity	Chemical Count
Cardioprotective	10
Cardiomyopathogenic	1
Cardiodepressant	3
Cardiac	1
Carcinogenic?	1
Carcinogenic	9
Capillariprotective	1
Candidistat	3
Candidicide	18
Cancer-Preventive	47
cAMP-Phosphodiesterase-Inhibitor	2
Calmodulin-Antagonist	1
Calcium-Channel-Blocker	1
Calcium-Antagonist	7
Bruchifuge	1
Bronchorelaxant	2
Bronchoprotectant	1
Bradycardic	1
Bradycardiac	1
Beta-Glucuronidase-Inhibitor	1
Beta-Blocker	2
Beta-Adrenergic Receptor Blocker	1
Barbituate-Synergist	2
Bacteristat	3
Bacteriostatic	1
Autotoxic	1
ATPase-Inhibitor	1

Activity	Chemical Count
Atherogenic	1
Astringent	1
Asthma-preventive	1
Ascaricide	2
Arteriodilator	1
Artemicide	2
Aromatase-Inhibitor	1
Apoptotic	11
Apifuge	1
Aphrodisiac	2
AP-1-Inhibitor	1
Anxiolytic	8
Antiyeast	3
Antixerophthalmic	1
Antivertigo	1
Antiviral?	1
Antiviral	24
Antivertigo	1
Antivaricose	1
Antivaginitic	2
Antivaccinia	1
Antiuricosuric	1
Antiuremic	1
Antiulcerogenic	2
Antiulcer	32
Antitussive	4
Antitumor-Promoter?	1

Activity	Chemical Count
Antitumor-Promoter	9
Antitumor (Stomach)	2
Antitumor (Skin)	6
Antitumor (Prostate)	3
Antitumor (Pancreas)	2
Antitumor (Ovary)	1
Antitumor (Lung)	7
Antitumor (Liver)	4
Antitumor (Gastric)	1
Antitumor (Forestomach)	2
Antitumor (Colon)	8
Antitumor (CNS)	1
Antitumor (Cervix)	2
Antitumor (Breast)	5
Antitumor (brain)	1
Antitumor (Bladder)	1
Antitumor	23
Antitubercular	1
Antitrypanosomic	1
Antitriglyceride	2
AntiTourette's	1
AntiTNF	2
Antitinnitic	2
Antitic	1
Antithyroid	2
Antithyreotropic	1
Antithromboxane	4

Activity	Chemical Count
Antithrombotic	1
Antithrombic	2
Antithiamin	2
Antitachycardic	1
Antisyndrome-X	6
Antisunburn	2
Antistroke	2
Antistress	5
Antistreptococcic	6
Antistomatitic	2
Antistaphylococcic	10
Antisprue	1
Antispasmophilic	1
Antispasmodic	32
Antispare-Tire	1
Antisinusitic	1
Antisilicotic	1
Antisickling	6
Antishock	2
Antishingles	1
Antiserotonin	2
Antiseratogenic	1
Antiseptic	34
Antiseborrheic	1
Antiscotomic	1
Antiscorbatic	1
Antiscoliotic	1

Activity	Chemical Count
Antisclerodermic	1
Antischistosomic	1
Antisalmonella	5
Antirhinoviral	4
Antirhinitic	2
Antirheumatic?	1
Antirheumatic	7
Antirheumatalgic	1
Antiretinotic	1
Antiretinopathic	1
Antiretardation	1
AntiRaynaud's	3
Antiradicular	15
Antipyretic	9
Antipsychotic	1
Antipsoriatic	2
Antipsoriac	3
Antipruritic	2
Antiprostatotic	1
Antiprostatitic	7
Antiprostataadenomic	1
Antiprostanoid	1
Antiprostaglandin	12
Antiproliferative	1
Antiproliferant	8
Antiprolactin	1
Antiprogestational	1

Activity	Chemical Count
Antiporphyrin	1
Antipolyneuritic	1
Antipoliomyelitic	2
Antipolio	4
Antipodriac	2
Antipneumonic	2
AntiPMS	5
Antiplasmodial	5
Antiplaque	7
Antipityriasis	1
Antiphotophobic	2
Antiphenylketonuric	2
Antipharyngitic	2
Antiperoxidant	6
Antipermeability	1
Antiperistaltic	1
Antiperiodontic	3
Antiperiodontic	2
Antiperiodontal	1
Antipeptic	2
Antipellagic	3
Antiparotitic	1
Antiparkinsonian	7
Antipapillomic	2
Antipancreatic	1
Antiozenic	1
Antioxidant?	2

Activity	Chemical Count
Antioxidant Synergist	1
Antioxidant (LDL)	1
Antioxidant	47
Antiototic	1
Antiotitic	2
Antiosteosclerotic	1
Antiosteoporotic	10
Antiosteoarthritic	3
Antiorchitic	1
Antiophthalmic	2
Antiophidic	3
Antionychyotic	2
Antiobesity	6
Antinyctalopic	1
Antinociceptive	6
Antinitrosic	1
Antinitrosating	1
Antinitrosaminic	10
AntiNF-kB	1
Antineurotic	1
Antineuropathic	2
Antineuritic	2
Antineurasthenic	1
Antineuramidase	1
Antineuralgic	4
Antinesidioblastosic	1
Antinephrolytic	1

Activity	Chemical Count
Antinephritic	1
Antineoplastic	1
Antinauseant	1
Antimyocarditic	2
Antimyalgic	1
Antimutagenic	19
AntiMS	3
Antimorphinistic	1
Antimorphinic	1
Antimitral-valve-prolapse	1
Antimitotic	2
Antimite	2
Antimigraine	5
Antimetastatic (Stomach)	1
Antimetastatic	5
Antimenorrhagic	3
Antimenopausal	5
AntiMeniere's	1
Antimelanomic	7
Antimelanogenic	2
Antimeasles	1
Antimastitic	1
Antimastalgic	2
Antimanic	2
Antimange	1
Antimalarial	5
Antimaculitic	4

Activity	Chemical Count
Antilymphomic	5
Antilymphocytic	1
AntiLyme	5
Antilupus	1
Antilithic?	1
Antilithic	6
Antilisteria	1
Antilipoperoxidant	3
Antileukotriene-D4	4
Antileukotriene	5
Antileukoplakic	1
Antileukonychic	1
Antileukemic	11
Antilethargic	1
Antileptic	2
Antileishmanic	4
AntiLegionella	2
Antilaryngitic	1
Antilactobacillic	1
Antiketotic	2
Antikeshan	1
Antikeratotic	1
Antikeratitic	1
Antiischemic	2
Antiintegrase	1
Antiinsomnic	2
Antiinsomniac?	1

Activity	Chemical Count
Antiinsomniac	5
Antiinflammatory	38
Antiinfertility	3
Antiinfective	1
Antiimpotence	2
Antiimplantation	1
Antiielus?	1
Antiichthyotic	1
Antihypoglycemic	1
Antihyperthyroid	2
Antihypertensive	10
Antihyperlipoproteinaemic	1
Antihyperkinetic	2
Antihyperkeratotic	1
Antihypercholesterolemic	3
Antihyperammonemic	1
Antihyperactivity	1
Antihydrophobic	1
Antihomocystinuric	1
AntiHIV	7
Antihistaminic	15
Antihiccup	1
Antiherpetic?	1
Antiherpetic	11
Antihepatotoxic	10
Antihepatotic	2
Antihepatoadenomic	1

Activity	Chemical Count
Antihepatic	2
Antihemorrhagic	1
Antihemolytic	2
Antihelicobacter	3
Antiheartburn	1
Antihangover	5
Antihalitosis	1
AntiGTF	1
Antigranular	1
Antigout	1
Antigonadotropic	3
Antigonadotrophic	3
Antiglycosuric	1
Antiglutamaergic	1
Antiglossitic	1
Antigliomic	1
Antiglaucomic	2
Antingingivitic	3
Antigenotoxic	2
Antigastrotic	1
Antigastritic	3
Antigastric	2
Antigallstone	1
Antifuruncular	1
Antiflu	5
Antifibrotic	3
Antifibrositic	1

Activity	Chemical Count
Antifibrosarcomic	1
Antifibromyalgic	1
Antifibrinolytic	2
Antifertility	3
Antifeedant	14
Antifatigue	9
Antiestrogenic	4
Antiesophagitic	1
Antiescherichic	4
Antiepileptic	5
Antienterotic	1
Antiendometriotic	2
Antiencephalopathic?	1
Antiencephalopathic	7
Antiencephalitic	2
Antiemetic?	1
Antiemetic	4
Antielastase	2
Antieicosanoid	1
Antiedemic	8
Antieczemic	7
AntiEBV	4
Antidysphagic	1
Antidyspeptic	1
Antidysmenorrhic	2
Antidyskinetic	3
Antidysgeuzic	1

Activity	Chemical Count
Antidysenteric	1
Antidrepanocytic	1
Antidote (Paraquat)	1
Antidote (Paracetamol)	1
Antidote (Mercury)	1
Antidote (Lead)	3
Antidote (Iodine)	1
Antidote (Hypoglycin-A)	1
Antidote (Cadmium)	2
Antidote (Aluminum)	2
Antidote (Acetaminophen)	1
Antidiscotic	1
Antidiarrheic	1
Antidiabetic?	1
Antidiabetic	11
Antidermatitic	4
Antidepressant?	1
Antidepressant	10
Antidementia	6
Antideliriant	1
Antidecubitic	3
Antidandruff	2
Anticytotoxic	1
Anticystitic	1
AntiCTS	1
AntiCrohn's	4
Anticoronary	5

Activity	Chemical Count
Anticorneotic	1
Anticonvulsant	8
Anticomplementary	1
Anticolonospasmic	1
Anticollagenic	1
Anticolitic	4
Anticolic	1
Anticold	2
Anticoeliac	1
Anticoccidioid	1
Anticlimacteric	4
Anticlaudificant?	1
Anticlastogen	1
Anticirrhotic?	1
Anticirrhotic	2
Antichoreic	1
Anticholinesterase	1
Anticholeretic	1
Anticholecystosic	1
Antichilblain	1
Anticheilitic	2
AntiCFS	3
Anticervicaldysplasic	3
Anticerebrotic	1
Anticephalagic	4
Anticatarrh	1
Anticataract	10

Activity	Chemical Count
Anticarpal-Tunnel	1
Anticariogenic	10
Anticardiospasmic	1
Anticarcinomic (Lung)	1
Anticarcinomic (Colon)	1
Anticarcinomic (Breast)	1
Anticarcinomic	1
Anticarcinogenic	4
Anticanker	3
Anticancer (Stomach)	1
Anticancer (Skin)	3
Anticancer (Pancreas)	2
Anticancer (Mammary)	1
Anticancer (Lung)	1
Anticancer (Liver)	2
Anticancer (Forestomach)	2
Anticancer (Duodenum)	1
Anticancer (Colon)	3
Anticancer (Cervix)	2
Anticancer (Breast)	2
Anticancer	11
Antibronchitic	3
AntiBPH	1
Antibiotic	1
Antiberiberi	1
Antibacterial	43
Antibackache	1

Activity	Chemical Count
Antibacillary	1
Antiatherosclerotic	9
Antiatherogenic	1
Antiataxic	1
Antiasthmatic	10
Antiarthritic	12
Antiarteriosclerotic	3
Antiarrhythmic	5
Antiarachidonate	2
Antiarabiflavinotic	1
Antianxiety	3
Antianoxic	1
Antianorexic	1
Antianorectic	2
Antiangiogenic	4
Antianginal	2
Antianemic	4
Antiandrogenic	4
Antianaphylactic	4
Anti amyloid-Beta	1
Antiamblyopic	1
Antialzheimeran?	1
Antialzheimeran	7
Antialopepic	4
Antiallergic	15
Antiallergenic	2
Antialkalotic	1

Activity	Chemical Count
Antialkali?	1
Antialdosteronic	1
Antialcoholic	5
Antiakathisic	1
Antiaging	5
Antiaggregant	15
AntiAGE	2
Antiaflatoxin	4
Antiadrenalinic	1
Antiadenoviral	1
Antiadenomic	3
Antiadenomacarcinogenic	1
AntiAddisonian	1
AntiADD	1
Antiacrodynic	1
Antiacrodermatitic	1
Antiacne	14
Antiacid	1
Antiacetylcholinesterase	8
Antiacetylcholine	1
Anti-5-HT	4
Anthelmintic	3
Anorexic	2
Angiotensin-Receptor-Blocker	3
Angiogenic	1
Anesthetic	6
Anemiagenic	2

Activity	Chemical Count
Androgenic?	1
Androgenic	2
Anaphylactic	1
Anaphrodisiac	1
Analgesic	22
Analeptic	1
Amphitensive	1
Amphiglycemic?	1
Alpha-Reductase-Inhibitor	1
Allergenic	28
Allelopathic	8
Allelochemic	9
Aldose-Reductase-Inhibitor	14
Aldehyde-Oxidase-Inhibitor	1
Aggregant	1
Adrenergic	1
Adjuvant	1
Addictive	1
Acidulant	2
AChE-Inhibitor	1
Acetylcholinergic	1
ACE-Inhibitor	5
Acaricide	10
Absorbent	1
Abortifacient	2
8-HETE-Inhibitor	1
5-Lipoxygenase-Inhibitor	6

Activity	Chemical Count
5-HETE-Inhibitor	1
5-Alpha-Reductase-Inhibitor	7
12-Lipoxygenase-Inhibitor	1
11B-HSD-Inhibitor	2
(-)-Inotropic	3
(-)-Chronotropic	3