

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Linum usitatissimum*

Activity	Chemical Count
11B-HSD-Inhibitor	1
12-Lipoxygenase-Inhibitor	1
5-Alpha-Reductase-Inhibitor	5
5-HETE-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Absorbent	1
Acarifuge	1
ACE-Inhibitor	4
Acetylcholinergic	1
Acidulant	1
Aggregant	1
Aldose-Reductase-Inhibitor	5
Allelochemic	3
Allelopathic	3
Allergenic	8
Alpha-Reductase-Inhibitor	2
Amphiglycemic?	1
Analgesic	7
Androgenic	1
Androgenic?	1
Anemiagenic	1
Angiogenic	1
Angiotensin-Receptor-Blocker	2
Anorexic	2
Antiacid	1
Antiacne	7
Antiacrodermatitic	1

Activity	Chemical Count
Antiacrodynamic	1
AntiADD	2
AntiAddisonian	1
Antiadenomic	2
Antiadrenalinic	1
Antiaflatoxin	1
AntiAGE	1
Antiaggregant	8
Antiaging	4
Antiakathisic	1
Antialcoholic	5
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	7
Antialopepic	4
Antialzheimeran	8
Antiamblyopic	1
Antianaphylactic	1
Antiandrogenic	4
Antianemic	3
Antianginal	4
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiarabiflavinotic	1

Activity	Chemical Count
Antiarrhythmic	6
Antiarteriosclerotic	3
Antiarthritic	12
Antiasphyctic	1
Antiasthmatic	4
Antiataxic	1
Antiatherogenic	1
Antiatheromic	1
Antiatherosclerotic	10
Antibackache	1
Antibacterial	18
Antiberiberi	1
Antibiotic	1
AntiBPH	1
Antibradiquinic	1
Antibronchitic	1
Anticancer	6
Anticancer (Breast)	2
Anticancer (Cervix)	1
Anticancer (Colon)	2
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	2
Anticancer (Lung)	2
Anticancer (Pancreas)	1
Anticancer (Prostate)	1
Anticancer (Skin)	2

Activity	Chemical Count
Anticanker	3
Anticarcinogenic	4
Anticarcinomic	3
Anticarcinomic (Colon)	1
Anticarcinomic (Lung)	1
Anticardiospasmic	1
Anticariogenic	1
Anticarpal-Tunnel	1
Anticataract	9
Anticephalagic	3
Anticervicaldysplasic	2
AntiCFS	2
Anticheilitic	2
Antichilblain	1
Antichorea	1
Antichoreic	2
Anticirrhotic	2
Anticirrhotic?	1
Anticlastogen	1
Anticlaudificant?	1
Anticlimacteric	2
Anticoeliac	1
Anticold	1
Anticolitic	2
Anticomplementary	2
Anticonjunctivitic	1
Anticonvulsant	4

Activity	Chemical Count
Anticorneotic	1
Anticoronary	6
AntiCrohn's	1
AntiCRP	1
Anticystinuric	1
Anticytotoxic	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	8
Antidepressant	6
Antidepressant?	1
Antidermatic	1
Antidermatitic	5
Antidiabetic	13
Antidiabetic?	1
Antidiarrheic	2
Antidiscotic	1
Antidote	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	1
Antidote (Cadmium)	1
Antidote (Camphor)	1
Antidote (Hypoglycin-A)	1
Antidote (Iodine)	1
Antidote (Lead)	2
Antidote (Morphine)	1

Activity	Chemical Count
Antidote (Paracetamol)	1
Antidysgeuzic	1
Antidyskinetic	4
Antidysmenorrhic	3
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	5
Antiedemic	3
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	1
Antienteritic	1
Antienterotic	1
Antiepileptic	5
Antiepitheleomic	1
Antiestrogenic	5
Antifatigue	6
Antifeedant	3
Antifertility	2
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrositic	1
Antifibrotic	1
Antifuruncular	1
Antigalactagogue	1
Antigallstone	1

Activity	Chemical Count
Antigastritic	3
Antigastrotic	1
Antigenotoxic	1
Antiglaucomic	1
Antiglossitic	1
Antiglycosation	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	1
Antigranular	1
Antigrey	1
Antihangover	3
Antiheartburn	1
Antihemolytic	1
Antihepatitic	1
Antihepatotic	1
Antihepatotoxic	7
Antiherpetic	8
Antiherpetic?	1
Antihiccup	1
Antihistaminic	6
AntiHIV	5
Antihomocysteine	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperkeratotic	1

Activity	Chemical Count
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	7
Antihyperthyroid	2
Antihypoglycemic	1
Antiichthyotic	1
Antiilus?	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	5
Antiinflammatory	19
Antiinsomniac	4
Antiinsomniac?	1
Antiinsomnic	1
Antiinsulinogenic	1
Antiischemic	2
Antikeratitic	1
Antiketotic	1
AntiLegionella	1
Antileptic	1
Antileukemic	8
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	2
Antileukotriene-D4	3
Antilipoperoxidant	1

Activity	Chemical Count
Antilithic	5
Antilupus	2
AntiLyme	4
Antilymphomic	3
Antimaculitic	4
Antimanic	6
Antimastalgic	2
Antimastitic	1
AntiMD	1
Antimelanogenic	1
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	3
Antimenorrhagic	4
Antimetabolite	1
Antimetastatic	4
Antimigraine	4
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
Antimorphinistic	1
AntiMS	4
Antimutagenic	11
Antimycotic	1
Antimyocarditic	1
Antimyoclonic	1
Antineoplastic	1

Activity	Chemical Count
Antinephritic	1
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	2
Antineurasthenic	1
Antineuritic	2
Antineuropathic	4
Antineurotic	1
Antinitrosaminic	5
Antinociceptive	4
Antinyctalopic	1
Antiobesity	6
Antiophidic	2
Antiophthalmic	3
Antiosteoarthritic	2
Antiosteoporotic	6
Antiotitic	1
Antiototic	1
Antioxidant	41
Antioxidant Synergist	2
Antioxidant?	2
Antiozenic	1
Antipapillomic	1
Antiparkinsonian	7
Antipellagic	3
Antiperiodontitic	2
Antiperistaltic	1

Activity	Chemical Count
Antiperoxidant	3
Antiperoxynitrite	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplaque	2
AntiPMS	7
Antipolio	2
Antipoliomyelitic	1
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	6
Antiprostaglandin	4
Antiprostataadenomic	1
Antiprostatitic	7
Antipruritic	1
Antipsoriac	2
Antipsychotic	2
Antipyretic	1
Antiradicular	6
AntiRaynaud's	3
Antiretardation	1
Antiretinopathic	1
Antiretinopathic?	1
Antiretinotic	1
Antirheumatic	7

Activity	Chemical Count
Antirheumatic?	1
Antisalmonella	1
Antischizophrenic	1
Antisclerodermic	1
Antiscoliotic	1
Antiscotomic	1
Antiseborrheic	3
Antisenility	1
Antiseptic	7
Antiserotonin	1
Antiserotoninic	1
Antisickling	4
Antispare-Tire	1
Antispasmodic	9
Antispasmophilic	1
Antisprue	1
Antistaphylococcic	1
Antisteatotic	1
Antisterility	1
Antistomatitic	1
Antistress	4
Antistroke	4
Antisunburn	2
Antisyndrome-X	6
Antithalassemic	1
Antithrombic	1
Antithrombotic	1

Activity	Chemical Count
Antithromboxane-B2	1
Antithyroid	4
Antititic	1
Antitinnitic	1
AntiTourette's	1
Antitoxemic	1
Antitriglyceride	2
Antitubercular	1
Antitumor	21
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Colorectal)	1
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	5
Antitumor (Ovary)	1
Antitumor (Pancreas)	1
Antitumor (Prostate)	4
Antitumor (Skin)	4
Antitumor (Stomach)	4
Antitumor (Thyroid)	1

Activity	Chemical Count
Antitumor-Promoter	3
Antitussive	3
Antiulcer	11
Antiulcerogenic	1
Antiuremic	1
Antivaginitic	1
Antivaricose	1
Antivertigo	1
Antiviral	10
Antiviral?	1
Antivertilgic	1
Antixerophthalmic	1
Anxiolytic	6
Aphidifuge	2
Aphrodisiac	1
Apoptotic	7
Aromatase-Inhibitor	3
Artemicide	2
Arteriodilator	1
Astringent	2
Atherogenic	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bronchosedative	1

Activity	Chemical Count
Bruchiphobe	1
Calcium-Antagonist	4
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	42
Cancer-Preventive?	1
Candidicide	3
Carcinogenic	3
Cardiac	1
Cardiodespressant	1
Cardiomyopathogenic	1
Cardioprotective	10
Cardioprotective?	1
Cardiotoxic	1
Cardiovascular	1
Caspase-8-Inducer	1
Cathartic	1
Cerebroprotective	1
Cerebrotonic	1
Chelator	1
Chemopreventive	6
Cholagogue	2
Choleretic	6
Cholinergic	3
Circulatory-Stimulant	1
Circulotonic	3

Activity	Chemical Count
Clastogenic	1
CNS-Active	1
CNS-Depressant	2
CNS-Stimulant	1
Collagen-Sparing	1
Collagenic	1
Collyrium	1
Colorant	1
Comedogenic	1
Comedolytic	1
Contraceptive	1
Copper-Antagonist	1
Cosmetic	2
COX-1-Inhibitor	2
COX-2-Inhibitor	2
Cyanogenic	4
Cyclin-B1-Inhibitor	1
Cyclin-D1-Inhibitor	1
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A1-Inhibitor	1
Cytotoxic	4
Deiodinase-Inhibitor	2
Deliriant	1
Demulcent	3
Deodorant	1
Depressant	1
Dermatitigenic	1

Activity	Chemical Count
Detoxicant	2
Detoxicant (Alcohol)	1
Diaphoretic?	1
Differentiator	2
Diuretic	8
DNA-Protective	1
Emetic	1
Emollient	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	4
Expectorant	1
Febrifuge	1
Fibrinolytic	1
Flatugenic	2
FLavor	5
Fungicide	10
Fungistat	1
Gastroprotective	1
Glutathionergic	1
Glutathionigenic	1
Goitrogenic	1
Gonadotrophic	1
Hemolytic	1
Hemopoietic	1

Activity	Chemical Count
Hemostat	2
Hepatoprotective	10
Hepatotoxic	1
Hepatotropic	1
Herbicide	1
Herbistat	1
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	1
Hyaluronidase-Inhibitor	2
Hydrocholerectic	1
Hypercholesterolemic	3
Hyperglycemic	1
Hypertensive	2
Hypnotic	1
Hypoammonemic	1
Hypoarginanemic	1
Hypocalcemic	1
Hypocholesterolemic	24
Hypoglycemic	10
Hypolipidemic	4
Hypotensive	13
Hypotriglyceridemic	1
Hypouricemic	1
ICAM-1-Inhibitor	2
IKK-Inhibitor	2
Ileorelaxant	1
Immunomodulator	8

Activity	Chemical Count
Immunostimulant	8
Immunosuppressant	2
iNOS-Inhibitor	2
Inotropic	1
Insecticide	1
Insectifuge	5
Insulin-Sparing	2
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	1
Juvabional	1
Keratitigenic	1
Keratolytic	1
Larvicide	1
Larvostat	2
Laxative	5
Laxative?	1
Leptingenic	1
Leukotriene-Inhibitor	1
Lipotropic	3
Lipoxygenase-Inhibitor	6
Lithogenic	1

Activity	Chemical Count
Litholytic	1
Lubricant	4
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-Inhibitor	1
MAPK-Inhibitor	2
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	2
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mucogenic	2
Mucolytic	1
Musculotropic	1
Mutagenic	1
Mycobactericide	1
Myorelaxant	3
NADH-Oxidase-Inhibitor	2
Natriuretic	2
Nematicide	3
NEP-Inhibitor	1
Nephrotoxic	3
Neuroexcitant	1
Neuroinhibitor	1

Activity	Chemical Count
Neuroprotective	1
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	2
NO-Inhibitor	4
NO-Synthase-Inhibitor	1
Nodulation-Signal	1
Ophthalmic-Antialkali	1
Ornithine-Decarboxylase-Inhibitor	4
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	2
P21-Inducer	2
Pancreatoxic	1
Parasiticide	1
Parasympathomimetic	1
Percutaneostimulant	1
Perfumery	4
Peristaltic	1
Pesticide	30
Phagocytotic	2
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Phytoalexin	1

Activity	Chemical Count
Phytotoxic	1
Pigment	2
Pituitary-Stimulant	1
PKC-Inhibitor	2
Polyamine-Synthesis-Inhibitor	1
Poultice	1
Preservative	2
Progestational	1
Prolactinogenic	1
Proliferant	1
Prooxidant	4
Propepic	5
Prostaglandigenic	3
Prostaglandin-Synthesis-Inhibitor	3
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	2
PTK-Inhibitor	2
Quinone-Reductase-Inducer	1
Radioprotective	2
Respirastimulant	1
Respiroinhibitor	1
Roborant	1
Rodenticide	1
Scabicide	1
Schistosomicide	1
Schizophrenigenic	1

Activity	Chemical Count
Secretagogue	1
Sedative	4
Serotonergic	2
Sialogogue	1
Soap	1
Spermicide	2
Spermigenic	2
Succinoxidase-Inhibitor	1
Sunscreen	4
Suppository	1
Sweetener	2
Taenicide	1
Testosteronigenic	1
Thymoprotective	1
Thyroid-Peroxidase-Inhibitor	1
TNF-alpha-Inhibitor	2
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	1
Toxic	2
Tranquilizer	2
Tremorigenic	1
Trichomonicide	1
Triglycerigenic	1
Tumor-Promoter	1
Tyrosinase-Inhibitor	1
Ubiquit	4
Ulcerogenic	2

Activity	Chemical Count
Uricogenic	1
Uricosuric	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	1
Vasodilator	11
Vasomotor-Stimulant	1
VEGF-Inhibitor	2
Verrucolytic	1
Vulnerary	3
Xanthine-Oxidase-Inhibitor	2