

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

Activity	Chemical Count
Xanthine-Oxidase-Inhibitor	2
Vulnerary	3
Verrucolytic	1
VEGF-Inhibitor	2
Vasomotor-Stimulant	1
Vasodilator	11
Uterotrophic	1
Uterosedative	1
Uterorelaxant	1
Urine-Deodorant	1
Urine-Acidifier	1
Uricosuric	1
Uricogenic	1
Ulcerogenic	2
Ubiquit	4
Tyrosinase-Inhibitor	1
Tumor-Promoter	1
Triglycerigenic	1
Trichomonicide	1
Tremorigenic	1
Tranquilizer	2
Toxic	2
Topoisomerase-II-Inhibitor	1
Topoisomerase-I-Inhibitor	2
TNF-alpha-Inhibitor	2
Thyroid-Peroxidase-Inhibitor	1
Thymoprotective	1

Activity	Chemical Count
Testosteronigenic	1
Taenicide	1
Sweetener	2
Suppository	1
Sunscreen	4
Succinoxidase-Inhibitor	1
Spermigenic	2
Spermicide	2
Soap	1
Sialogogue	1
Serotoninerpic	2
Sedative	4
Secretagogue	1
Schizophrenigenic	1
Schistosomicide	1
Scabicide	1
Rodenticide	1
Roborant	1
Respiroinhibitor	1
Respirastimulant	1
Radioprotective	2
Quinone-Reductase-Inducer	1
PTK-Inhibitor	2
Protisticide	2
Protein-Kinase-C-Inhibitor	3
Prostaglandin-Synthetase-Inhibitor	1
Prostaglandin-Synthesis-Inhibitor	3

Activity	Chemical Count
Prostaglandigenic	3
Propecic	5
Prooxidant	4
Proliferant	1
Prolactinogenic	1
Progestational	1
Preservative	2
Poultice	1
Polyamine-Synthesis-Inhibitor	1
PKC-Inhibitor	2
Pituitary-Stimulant	1
Pigment	2
Phytotoxic	1
Phytoalexin	1
Phospholipase-Inhibitor	1
Phospholipase-A2-Inhibitor	1
Phagocytotic	2
Pesticide	30
Peristaltic	1
Perfumery	4
Percutaneostimulant	1
Parasympathomimetic	1
Parasiticide	1
Pancreatotoxic	1
P21-Inducer	2
Oxidant	2
Ovulant	1

Activity	Chemical Count
Oviposition-Stimulant	2
Osteolytic	1
Osteogenic	1
Ornithine-Decarboxylase-Inhibitor	4
Ophthalmic-Antialkali	1
Nodulation-Signal	1
NO-Synthase-Inhibitor	1
NO-Inhibitor	4
NO-Genic	2
NF-kB-Inhibitor	3
Neurotransmitter	1
Neurotoxic	1
Neuroprotective	1
Neuroinhibitor	1
Neuroexcitant	1
Nephrotoxic	3
NEP-Inhibitor	1
Nematicide	3
Natriuretic	2
NADH-Oxidase-Inhibitor	2
Myorelaxant	3
Mycobactericide	1
Mutagenic	1
Musculotropic	1
Mucolytic	1
Mucogenic	2
Monoamine-Precursor	3

Activity	Chemical Count
MMP-9-Inhibitor	1
Metastatic	1
Metalloproteinase-Inhibitor	1
Metal-Chelator (Copper)	2
Metal-Chelator	2
Memory-Enhancer	1
Memorigenic	2
MAPK-Inhibitor	2
MAO-Inhibitor	1
Lymphocytogenic	1
Lyase-Inhibitor	1
Lubricant	4
Litholytic	1
Lithogenic	1
Lipoxygenase-Inhibitor	6
Lipotropic	3
Leukotriene-Inhibitor	1
Leptogenic	1
Laxative?	1
Laxative	5
Larvostat	2
Larvicide	1
Keratolytic	1
Keratitogenic	1
Juvabional	1
Irritant	1
Iodothyronine-Deiodinase-Inhibitor	1

Activity	Chemical Count
Interleukin-6-Inhibitor	1
Interferonogenic	1
Interferon-Synergist	1
Insulinotonic	1
Insulinogenic	3
Insulinase-Inhibitor	1
Insulin-Sparing	2
Insectifuge	5
Insecticide	1
Inotropic	1
iNOS-Inhibitor	2
Immunosuppressant	2
Immunostimulant	8
Immunomodulator	8
Ileorelaxant	1
IKK-Inhibitor	2
ICAM-1-Inhibitor	2
Hypouricemic	1
Hypotriglyceridemic	1
Hypotensive	13
Hypolipidemic	4
Hypoglycemic	10
Hypocholesterolemic	24
Hypocalcemic	1
Hypoarginanemic	1
Hypoammonemic	1
Hypnotic	1

Activity	Chemical Count
Hypertensive	2
Hyperglycemic	1
Hypercholesterolemic	3
Hydrocholerectic	1
Hyaluronidase-Inhibitor	2
Histamine-Inhibitor	1
HIF-1alpha-Inhibitor	1
Herbistat	1
Herbicide	1
Hepatotropic	1
Hepatotoxic	1
Hepatoprotective	10
Hemostat	2
Hemopoietic	1
Hemolytic	1
Gonadotrophic	1
Goitrogenic	1
Glutathionigenic	1
Glutathionergic	1
Gastroprotective	1
Fungistat	1
Fungicide	10
FLavor	5
Flatugenic	2
Fibrinolytic	1
Febrifuge	1
Expectorant	1

Activity	Chemical Count
Estrogenic	4
Essential	8
Erythrocytogenic	1
Ergogenic	1
Energizer	1
Emollient	1
Emetic	1
DNA-Protective	1
Diuretic	8
Differentiator	2
Diaphoretic?	1
Detoxicant (Alcohol)	1
Detoxicant	2
Dermatitogenic	1
Depressant	1
Deodorant	1
Demulcent	3
Deliriant	1
Deiodinase-Inhibitor	2
Cytotoxic	4
Cytochrome-P450-1A1-Inhibitor	1
Cyclooxygenase-Inhibitor	3
Cyclin-D1-Inhibitor	1
Cyclin-B1-Inhibitor	1
Cyanogenic	4
COX-2-Inhibitor	2
COX-1-Inhibitor	2

Activity	Chemical Count
Cosmetic	2
Copper-Antagonist	1
Contraceptive	1
Comedolytic	1
Comedogenic	1
Colorant	1
Collyrium	1
Collagenic	1
Collagen-Sparing	1
CNS-Stimulant	1
CNS-Depressant	2
CNS-Active	1
Clastogenic	1
Circulotonic	3
Circulatory-Stimulant	1
Cholinergic	3
Choleretic	6
Cholagogue	2
Chemopreventive	6
Chelator	1
Cerebrotonic	1
Cerebroprotective	1
Cathartic	1
Caspase-8-Inducer	1
Cardiovascular	1
Cardiotoxic	1
Cardioprotective?	1

Activity	Chemical Count
Cardioprotective	10
Cardiomyopathogenic	1
Cardiodepressant	1
Cardiac	1
Carcinogenic	3
Candidicide	3
Cancer-Preventive?	1
Cancer-Preventive	42
cAMP-Phosphodiesterase-Inhibitor	2
Calcium-Channel-Blocker	1
Calcium-Antagonist?	1
Calcium-Antagonist	4
Bruchiphobe	1
Bronchosedative	1
Beta-Glucuronidase-Inhibitor	2
Beta-Blocker	2
Bacteristat	1
Autotoxic	1
ATPase-Inhibitor	1
Atherogenic	1
Astringent	2
Arteriodilator	1
Artemicide	2
Aromatase-Inhibitor	3
Apoptotic	7
Aphrodisiac	1
Aphidifuge	2

Activity	Chemical Count
Anxiolytic	6
Antixerophthalmic	1
Antivertigic	1
Antiviral?	1
Antiviral	10
Antivertigo	1
Antivaricose	1
Antivaginitic	1
Antiuremic	1
Antiulcerogenic	1
Antiulcer	11
Antitussive	3
Antitumor-Promoter	3
Antitumor (Thyroid)	1
Antitumor (Stomach)	4
Antitumor (Skin)	4
Antitumor (Prostate)	4
Antitumor (Pancreas)	1
Antitumor (Ovary)	1
Antitumor (Lung)	5
Antitumor (Liver)	2
Antitumor (Kidney)	1
Antitumor (Forestomach)	2
Antitumor (Esophagus)?	1
Antitumor (Colorectal)	1
Antitumor (Colon)	5
Antitumor (CNS)	1

Activity	Chemical Count
Antitumor (Cervix)	1
Antitumor (Breast)	4
Antitumor (brain)	1
Antitumor (Bladder)	1
Antitumor	21
Antitubercular	1
Antitriglyceride	2
Antitoxemic	1
AntiTourette's	1
Antitinnitic	1
Antitic	1
Antithyroid	4
Antithromboxane-B2	1
Antithrombotic	1
Antithrombic	1
Antithalassemic	1
Antisyndrome-X	6
Antisunburn	2
Antistroke	4
Antistress	4
Antistomatitic	1
Antisterility	1
Antisteatotic	1
Antistaphylococcic	1
Antisprue	1
Antispasmophilic	1
Antispasmodic	9

Activity	Chemical Count
Antispare-Tire	1
Antisickling	4
Antiserotoninic	1
Antiserotonin	1
Antiseptic	7
Antisenility	1
Antiseborrheic	3
Antiscotomic	1
Antiscoliotic	1
Antisclerodermic	1
Antischizophrenic	1
Antisalmonella	1
Antirheumatic?	1
Antirheumatic	7
Antiretinotic	1
Antiretinopathic?	1
Antiretinopathic	1
Antiretardation	1
AntiRaynaud's	3
Antiradicular	6
Antipyretic	1
Antipsychotic	2
Antipsoriac	2
Antipruritic	1
Antiprostatitic	7
Antiprostataadenomic	1
Antiprostaglandin	4

Activity	Chemical Count
Antiproliferant	6
Antiprolactin	1
Antiprogestational	1
Antiporphyrin	1
Antipoliomyelitic	1
Antipolio	2
AntiPMS	7
Antiplatelet	2
Antipityriasis	1
Antiphotophobic	2
Antiphenylketonuric	2
Antiperoxynitrite	1
Antiperoxidant	3
Antiperistaltic	1
Antiperiodontic	2
Antipellagic	3
Antiparkinsonian	7
Antipapillomic	1
Antiozenic	1
Antioxidant?	2
Antioxidant Synergist	2
Antioxidant	41
Antiototic	1
Antiotitic	1
Antiosteoporotic	6
Antiosteoarthritic	2
Antiophthalmic	3

Activity	Chemical Count
Antiophidic	2
Antiobesity	6
Antinyctalopic	1
Antinociceptive	4
Antinitrosaminic	5
Antineurotic	1
Antineuropathic	4
Antineuritic	2
Antineurasthenic	1
Antineuralgic	2
Antinesidioblastosic	1
Antinephrolytic	1
Antinephritic	1
Antineoplastic	1
Antimyoclonic	1
Antimyocarditic	1
Antimycotic	1
Antimutagenic	11
AntiMS	4
Antimorphinistic	1
Antimorphinic	1
Antimitral-valve-prolapse	1
Antimitotic	1
Antimigraine	4
Antimetastatic	4
Antimetabolite	1
Antimenorrhagic	4

Activity	Chemical Count
Antimenopausal	3
AntiMeniere's	1
Antimelanomic	3
Antimelanogenic	1
AntiMD	1
Antimastitic	1
Antimastalgic	2
Antimanic	6
Antimaculitic	4
Antilymphomic	3
AntiLyme	4
Antilupus	2
Antilithic	5
Antilipoperoxidant	1
Antileukotriene-D4	3
Antileukotriene	2
Antileukoplakic	1
Antileukonychic	1
Antileukemic	8
Antileptic	1
AntiLegionella	1
Antiketotic	1
Antikeratitic	1
Antiischemic	2
Antiinsulinogenic	1
Antiinsomnic	1
Antiinsomniac?	1

Activity	Chemical Count
Antiinsomniac	4
Antiinflammatory	19
Antiinfertility	5
Antiinfective	1
Antiinfarctal	1
Antiimpotence	2
Antiielus?	1
Antiichthyotic	1
Antihypoglycemic	1
Antihyperthyroid	2
Antihypertensive	7
Antihyperlipoproteinaemic	1
Antihyperkinetic	2
Antihyperkeratotic	1
Antihypercholesterolemic	3
Antihyperammonemic	1
Antihyperactivity	1
Antihomocysteine	1
AntiHIV	5
Antihistaminic	6
Antihiccup	1
Antiherpetic?	1
Antiherpetic	8
Antihepatotoxic	7
Antihepatotic	1
Antihepatitic	1
Antihemolytic	1

Activity	Chemical Count
Antiheartburn	1
Antihangover	3
Antigrey	1
Antigranular	1
Antigonadotropic	1
Antigonadotrophic	1
Antiglycosuric	1
Antiglycosation	1
Antiglossitic	1
Antiglaucomic	1
Antigenotoxic	1
Antigastrotic	1
Antigastritic	3
Antigallstone	1
Antigalactagogue	1
Antifuruncular	1
Antifibrotic	1
Antifibrositic	1
Antifibromyalgic	2
Antifibrinolytic	2
Antifertility	2
Antifeedant	3
Antifatigue	6
Antiestrogenic	5
Antiepitheleomic	1
Antiepileptic	5
Antienterotic	1

Activity	Chemical Count
Antienteritic	1
Antiendometriotic	1
Antiencephalopathic?	1
Antiencephalopathic	7
Antiedemic	3
Antieczemic	5
AntiEBV	1
Antidysphagic	1
Antidyspeptic	1
Antidysmenorrheic	3
Antidyskinetic	4
Antidysgeuzic	1
Antidote (Paracetamol)	1
Antidote (Morphine)	1
Antidote (Lead)	2
Antidote (Iodine)	1
Antidote (Hypoglycin-A)	1
Antidote (Camphor)	1
Antidote (Cadmium)	1
Antidote (Aluminum)	1
Antidote (Acetaminophen)	1
Antidote	1
Antidiscotic	1
Antidiarrheic	2
Antidiabetic?	1
Antidiabetic	13
Antidermatitic	5

Activity	Chemical Count
Antidermatic	1
Antidepressant?	1
Antidepressant	6
Antidementia	8
Antideliriant	1
Antidecubitic	3
Antidandruff	2
Anticytotoxic	1
Anticystinuric	1
AntiCRP	1
AntiCrohn's	1
Anticoronary	6
Anticorneotic	1
Anticonvulsant	4
Anticonjunctivitic	1
Anticomplementary	2
Anticolitic	2
Anticold	1
Anticoeliac	1
Anticlimacteric	2
Anticlaudificant?	1
Anticlastogen	1
Anticirrhotic?	1
Anticirrhotic	2
Antichoreic	2
Antichorea	1
Antichilblain	1

Activity	Chemical Count
Anticheilitic	2
AntiCFS	2
Anticervicaldysplasic	2
Anticephalagic	3
Anticataract	9
Anticarpal-Tunnel	1
Anticariogenic	1
Anticardiospasmic	1
Anticarcinomic (Lung)	1
Anticarcinomic (Colon)	1
Anticarcinomic	3
Anticarcinogenic	4
Anticanker	3
Anticancer (Skin)	2
Anticancer (Prostate)	1
Anticancer (Pancreas)	1
Anticancer (Lung)	2
Anticancer (Liver)	2
Anticancer (Forestomach)	2
Anticancer (Esophagus)?	1
Anticancer (Colon)	2
Anticancer (Cervix)	1
Anticancer (Breast)	2
Anticancer	6
Antibronchitic	1
Antibradiquinic	1
AntiBPH	1

Activity	Chemical Count
Antibiotic	1
Antiberiberi	1
Antibacterial	18
Antibackache	1
Antiatherosclerotic	10
Antiatheromic	1
Antiatherogenic	1
Antiataxic	1
Antiasthmatic	4
Antiasphyctic	1
Antiarthritic	12
Antiarteriosclerotic	3
Antiarrhythmic	6
Antiarabiflavivotic	1
Antianxiety	3
Antianorexic	1
Antianorectic	2
Antiangiogenic	4
Antianginal	4
Antianemic	3
Antiandrogenic	4
Antianaphylactic	1
Antiamblyopic	1
Antialzheimeran	8
Antialopepic	4
Antiallergic	7
Antialkalotic	1

Activity	Chemical Count
Antialkali?	1
Antialdosteronic	1
Antialcoholic	5
Antiakathisic	1
Antiaging	4
Antiaggregant	8
AntiAGE	1
Antiaflatoxin	1
Antiadrenalinic	1
Antiadenomic	2
AntiAddisonian	1
AntiADD	2
Antiacrodynic	1
Antiacrodermatitic	1
Antiacne	7
Antiacid	1
Anorexic	2
Angiotensin-Receptor-Blocker	2
Angiogenic	1
Anemiagenic	1
Androgenic?	1
Androgenic	1
Analgesic	7
Amphiglycemic?	1
Alpha-Reductase-Inhibitor	2
Allergenic	8
Allelopathic	3

Activity	Chemical Count
Allelochemic	3
Aldose-Reductase-Inhibitor	5
Aggregant	1
Acidulant	1
Acetylcholinergic	1
ACE-Inhibitor	4
Acarifuge	1
Absorbent	1
5-Lipoxygenase-Inhibitor	1
5-HETE-Inhibitor	1
5-Alpha-Reductase-Inhibitor	5
12-Lipoxygenase-Inhibitor	1
11B-HSD-Inhibitor	1