

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Levisticum officinale***

Activity	Chemical Count
(-)-Chronotropic	3
(-)-Inotropic	3
5-Alpha-Reductase-Inhibitor	1
Abortifacient	1
Absorbent	1
Acaricide	9
ACE-Inhibitor	4
AChE-Inhibitor	1
Acidulant	1
Aldose-Reductase-Inhibitor	8
Allelochemic	5
Allelopathic	7
Allergenic	16
Allergenic?	1
Amphetaminagenic	1
Analgesic	11
Androgenic	1
Anesthetic	12

Activity	Chemical Count
Angiogenic	1
Anorexic	1
Anthelmintic	4
Antiacetylcholine	1
Antiacetylcholinesterase	10
Antiacne	5
Antiadenomic	2
Antiadenoviral	1
Antiaflatoxin	1
Antiaggregant	8
Antiaging	1
Antiallergic	6
Antialopepic	3
Antialzheimeran?	2
Antianaphylactic	1
Antiandrogenic	3
Antianginal	1
Antiapertif	1
Antiarachidonate	1
Antiarrhythmic	3

Activity	Chemical Count
Antiasthmatic	4
Antiatherogenic	1
Antiatherosclerotic	1
Antibacillary	1
Antibacillus	1
Antibacterial	25
Antibronchitic	4
Antibrucellosic	1
Anticancer	3
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	1
Anticancer (Forestomach)	1
Anticancer (Kidney)	1
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Pancreas)	1
Anticancer (Prostate)	1
Anticancer (Skin)	1
Anticarcinogenic	2

Activity	Chemical Count
Anticariogenic	6
Anticatarrh	2
Anticholinesterase	2
Anticholinesterase?	1
Anticolic	1
Anticonstrictive	2
Anticonvulsant	5
Antidandruff	1
Antidepressant	3
Antidiarrheic	1
Antidiuretic	2
Antidote (Iodine)	1
Antidysenteric	1
Antidysmenorrheic	2
Antiedemic	6
Antielastase	1
Antiemetic	1
Antiescherichic	3
Antiesherichic	1
Antiesophagitic	1

Activity	Chemical Count
Antiastrogenic	3
Antifatigue	2
Antifeedant	7
Antifertility	1
Antifibrinolytic	1
Antifibrositic	1
Antiflu	4
Antigenotoxic	2
Antigliomic	1
Antiglutamaergic	1
Antigonadotrophic	1
Antigonadotropic	1
Antihalitotic	3
Antihemolytic	1
Antihepatoadenomic	1
Antihepatotoxic	2
Antiherpetic	3
Antihistaminic	5
AntiHIV	1
Antihypercholesterolemic	1

Activity	Chemical Count
Antihyperlipoproteinaemic	1
Antihyperthyroid	1
Antiinflammatory	22
Antijet-lag	1
Antikeratotic	1
Antilaryngitic	2
AntiLegionella	1
Antileukemic	6
Antileukodermic	3
Antileukotriene	1
Antilisteria	1
Antilithic	1
Antilithic?	1
Antilymphedemic	1
Antilymphomic	4
Antimalarial	4
Antimange	1
Antimelanogenic	1
Antimelanomic	3
Antimetastatic	1

Activity	Chemical Count
Antimetastatic (Stomach)	1
Antimite	1
Antimitotic	7
Antimononucleotic	1
Antimutagenic	12
Antimycoplasmotic	1
Antimycotic	1
Antineoplastic	1
Antinesidioblastotic	1
Antineuralgic	3
Antinitrosaminic	4
Antinitrosating	1
Antinociceptive	3
Antiobesity	1
Antiodontalgic	2
Antiophidic	2
Antiotitic	3
Antioxidant	13
Antioxidant (LDL)	1
Antiperoxidant	1

Activity	Chemical Count
Antipharyngitic	2
Antiplatelet	3
Antiplasmodial	3
Antipneumonic	1
Antiprogestational	1
Antiproliferant	3
Antiproliferative	1
Antiprostaglandin	6
Antiprostataadenomic	1
Antiprostatic	1
Antiproteinigenic	1
Antipruritic	3
Antipsittacotic	1
Antipsoriac	5
Antipyretic	6
Antiradicular	5
Antireproductive	1
Antirheumatalgic	1
Antirheumatic	3

Activity	Chemical Count
Antirhinitic	2
Antirhinoviral	1
Antisalmonella	6
Antiseptic	21
Antiserotonin	1
Antishock	1
Antisinusitic	3
Antispasmodic	26
Antistaphylococcic	12
Antistomatitic	1
Antistreptococcic	4
Antistress	1
Antisunburn	1
Antitartar	1
Antithiamin	1
Antithrombic	1
Antithromboxane	1
Antithyroid	1
AntiTNF	1
Antitoxoplasmotic	1

Activity	Chemical Count
Antitubercular	2
Antitumor	12
Antitumor (Breast)	2
Antitumor (Cervix)	2
Antitumor (Colon)	2
Antitumor (Forestomach)	1
Antitumor (GI)	1
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	1
Antitumor (Pancreas)	2
Antitumor (Prostate)	2
Antitumor (Skin)	2
Antitumor (Stomach)	1
Antitumor-Promoter	4
Antitussive	4
Antiulcer	5
Antiulcerogenic	1
Antiuterocontractant	1
Antivaccinia	1

Activity	Chemical Count
Antivaginitic	2
Antiviral	12
Antivertiginic	3
Antivulvitic	1
Antiyeast	2
Anxiolytic	1
Apifuge	1
Apoptotic	3
Artemicide	2
Arteriodilator	2
Ascaricide	1
Bacteriophagicide	1
Bacteriostatic	1
Bacteristat	1
Barbituate-Synergist	1
Bradycardic	1
Bronchomucolytic	1
Bronchomucotropic	1
Bronchoprotectant	1
Bronchorelaxant	1

Activity	Chemical Count
Bronchorrheic	1
Bruchiphobe	1
Bufocide	1
Calcium-Antagonist	9
Cancer-Preventive	18
Candidicide	13
Candidistat	3
Carcinogenic	6
Carcinogenic?	2
Cardiac	1
Cardiodepressant	1
Cardiotonic	1
Carminative	7
Caspase-8-Inducer	1
Chemopreventive	4
Cholagogue	2
Choleretic	9
Cholesterolytic	1
Cicatrizant	1
Ciliotoxic	1

Activity	Chemical Count
Clastogenic	2
CNS-Active	1
CNS-Depressant	5
CNS-Stimulant	8
CNS-Toxic	1
Co-carcinogenic	1
Coleoptophile	1
Collagen-Sparing	1
Congestant	1
Contraceptive	1
Convulsant	4
Cosmetic	2
Counterirritant	4
COX-1-Inhibitor	1
COX-2-Inhibitor	2
Culicide	1
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-Inducer	3
Cytochrome-P450-Inhibitor	2
Cytoprotective	1

Activity	Chemical Count
Cytotoxic	4
Cytotoxic (Breast)	1
Cytotoxic (Colon)	1
Cytotoxic (Lung)	1
Decongestant	3
Decongestant?	1
Degranulant	2
Deliriant	1
Dentifrice	2
Dermal	1
Dermatitigenic	3
Detoxicant	1
Diaphoretic	1
Diuretic	4
DME-Inhibitor	3
DNA-Active	1
DNA-Protective	1
Ecboic	1
Edemagenic	2
Embryotoxic	2

Activity	Chemical Count
Emetic	5
Emmenagogue	2
Emollient	1
Enterocontractant	1
Enterorelaxant	3
Epileptogenic	1
Estrogenic	2
Expectorant	13
Febrifuge	1
FLavor	29
Fumigant	1
Fungicide	27
Fungiphilic	1
Fungistat	3
GABA-nergic	1
Gastroprotective	2
Gastrosedative	1
Genotoxic	1
Gonadotrophic	1
Gram(+)-icide	2

Activity	Chemical Count
Gram(-)-icide	2
GST-Inducer	1
Hallucinogenic	1
Hemolytic	1
Hemorrhagic	1
Hepatocarcinogenic	1
Hepatoprotective	6
Hepatotonic	2
Hepatotoxic	4
Hepatotropic	2
Herbicide	12
Histamine-Inhibitor	1
Histaminic	1
HIV-RT-Inhibitor	1
Hydrocholerectic	1
Hypercholesterolemic	2
Hypnotic	3
Hypocholesterolemic	1
Hypocholesterolemic?	1
Hypoglycemic	3

Activity	Chemical Count
Hypolipidemic	2
Hypotensive	5
Hypothermic	2
Immunomodulator	1
Immunostimulant	3
Immunosuppressant	1
Inflammatory	2
Inhalant	1
Insect-Repellent	2
Insecticide	13
Insecticide-Synergist	1
Insectifuge	23
Insectiphile	3
Interleukin-6-Inhibitor	2
Intoxicant	1
Irritant	21
Juvabional	2
Keratitigenic	1
Larvicide	4
Larvostat	1

Activity	Chemical Count
Laxative	2
Leukotriene-Inhibitor	1
Lipolytic	3
Lipoxygenase-Inhibitor	2
Lubricant	2
Lyase-Inhibitor	1
Lymphocytogenic	2
Lymphokinetic	1
MAO-A-Inhibitor	1
MAO-B-Inhibitor	1
MAO-Inhibitor	1
Melaninogenic	2
Melatoninogenic	1
Metal-Chelator	2
Mitogenic	1
Molluscicide	2
Mosquitofuge	2
Motor-Depressant	5
Mucolytic	1
Mutagenic	3

Activity	Chemical Count
Mutagenic?	1
Mycobactericide	1
Myorelaxant	7
Narcotic	1
Nematicide	16
Neurodepressant	1
Neuropathogenic	1
Neurotoxic	4
NO-Genic	1
Nociceptive	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	3
Osteolytic	1
Ovicide	1
Oxytotic	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	5
P450-Inducer	4
Paralytic	1
Pediculicide	2

Activity	Chemical Count
Perfume	2
Perfumery	21
Peristaltic	1
Pesticide	44
Phagocytotic	2
Photoactive	1
Photocarcinogenic	1
Photodermatitigenic	2
Photosensitizer	1
Phototoxic	3
Phytoalexin	2
Piscicide	3
Poultice	1
Preservative	1
Prooxidant	2
Propepic	1
Prostaglandigenic	2
Prostaglandin-Inhibitor	1
Prostaglandin-Synthesis-Inhibitor	2
Protisticide	1

Activity	Chemical Count
Psychoactive	1
Refrigerant	1
Renoirritant	1
Respirainhibitor	1
Respirastimulant	1
Respirodepressant	1
Rodenticide	1
Rubefacient	4
Secretogogue	2
Secretolytic	1
Sedative	21
Serotoninergetic	1
Soap	1
Spasmogenic	6
Spermicide	3
Stimulant	1
Sunscreen	3
Surfactant	2
Sweetener	1
Synergist	1

Activity	Chemical Count
Tachycardic	1
Teratogenic	1
Termiticide	3
Termitifuge	1
Testosterone-Hydroxylase-Inducer	2
Testosterone-Inducer	1
Topoisomerase-II-Inhibitor	1
Tracheorelaxant	2
Tranquilizer	3
Transdermal	8
Trichomonicide	8
Trichomonistat	1
Trypsin-Enhancer	1
Tumor-Promoter	1
Tumorigenic	1
Tyrosinase-Inhibitor	1
Ubiquiot	1
Ulcerogenic	3
Uricosuric	1
Uterosedative	1

Activity	Chemical Count
Uterotonic	2
Varroacide	1
Vasodilator	2
Vermicide	1
Vermifuge	2
Verrucolytic	2
Vibriocide	2
Vulnerary	4
Xanthine-Oxidase-Inhibitor	2