

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in *Valeriana officinalis***

<b>Activity</b>	<b>Chemical Count</b>
(-)-Chronotropic	4
(-)-Inotropic	4
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	4
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acaricide	7
ACE-Inhibitor	5
Acetylcholinergic	1
AChE-Inhibitor	1
Acidulant	2
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	13
Allelochemic	6
Allelopathic	5
Allergenic	18
Alpha-Reductase-Inhibitor	2
Amphiglycemic?	1

<b>Activity</b>	<b>Chemical Count</b>
Analeptic	2
Analgesic	12
Ancylostomicide	1
Androgenic	1
Androgenic?	1
Anemiagenic	1
Anesthetic	4
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Ankylostomacide	1
Anorexic	2
Anthelmintic	5
Antiacetylcholine	1
Antiacetylcholinesterase	10
Antiacne	12
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	2
Antiadenoviral	1

<b>Activity</b>	<b>Chemical Count</b>
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	9
Antiaging	5
Antiakathisic	1
Antialcoholic	7
Antialkali?	1
Antiallergic	10
Antialopecic	4
Antialzheimeran	7
Antialzheimeran?	3
Antiamblyopic	1
Antianaphylactic	2
Antiandrogenic	4
Antianemic	2
Antianginal	3
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2

<b>Activity</b>	<b>Chemical Count</b>
Antiarabiflavinotic	1
Antiarrhythmic	4
Antiartherosclerotic	2
Antiarthritic	12
Antiasphyctic	1
Antiasthmatic	8
Antiatherogenic	2
Antiatherosclerotic	12
Antibacillary	1
Antibackache	1
Antibacterial	30
Antiberiberi	1
AntiBPH	1
Antibronchitic	4
Anticancer	6
Anticancer (Breast)	2
Anticancer (Cervix)	2
Anticancer (Colon)	1
Anticancer (Forestomach)	1
Anticancer (Gastric)	1

<b>Activity</b>	<b>Chemical Count</b>
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Pancreas)	1
Anticancer (Skin)	1
Anticanker	3
Anticarcinogenic	3
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	9
Anticarpal-Tunnel	1
Anticataract	9
Anticatarrh	2
Anticephalagic	4
Anticerebrotic	2
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholinesterase	5

<b>Activity</b>	<b>Chemical Count</b>
Anticholinesterase?	1
Antichoreic	3
Anticirrhotic	2
Anticlastogen	1
Anticlimacteric	4
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	2
Anticonvulsant	6
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
Anticystinuric	1
Anticystitic	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	6

Activity	Chemical Count
Antidepressant	9
Antidepressant?	1
Antidermatic	1
Antidermatitic	3
Antidiabetic	12
Antidiabetic?	1
Antidiscotic	1
Antidiuretic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrheic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	4

<b>Activity</b>	<b>Chemical Count</b>
Antiedemic	5
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	6
Antiencephalopathic?	1
Antiendometriotic	2
Antienterotic	1
Antiepileptic	5
Antiescherichic	3
Antiesophagitic	1
Antiestrogenic	3
Antifatigue	7
Antifeedant	11
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	5
Antifuruncular	1



<b>Activity</b>	<b>Chemical Count</b>
Antigallstone	1
Antigastric	1
Antigastritic	2
Antigastrotic	1
Antigenotoxic	1
Antigingivitic	2
Antiglaucomic	2
Antigliomic	1
Antiglossitic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	3
Antigout	1
Antigranular	1
AntiGTF	1
Antihalitosis	3
Antihangover	5
Antiheartburn	1
Antihelicobacter	1
Antihemolytic	2

<b>Activity</b>	<b>Chemical Count</b>
Antihemorrhagic	1
Antihepatitic	2
Antihepatoadenomic	1
Antihepatotoxic	7
Antiherpetic	9
Antiherpetic?	1
Antihistaminic	9
AntiHIV	6
Antihomocysteine	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	9
Antihyperthyroid	2
Antihypoglycemic	1
Antihysterical	1

<b>Activity</b>	<b>Chemical Count</b>
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	26
Antiinsomniac	5
Antiinsomnic	2
Antiischemic	1
Antikeratitic	1
Antikeshan	1
Antiketotic	2
Antilaryngitic	2
AntiLegionella	2
Antileishmanic	2
Antileptic	3
Antileprotic	1
Antilethargic	2
Antileukemic	7

<b>Activity</b>	<b>Chemical Count</b>
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antileukotriene-D4	2
Antilipoperoxidant	2
Antilithic	4
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	4
Antimaculitic	5
Antimalarial	2
Antimanic	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	8
AntiMeniere's	1

<b>Activity</b>	<b>Chemical Count</b>
Antimenopausal	4
Antimenorrhagic	3
Antimetastatic	3
Antimetastatic (Stomach)	1
Antimigraine	4
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	3
Antimutagenic	11
Antimyalgic	1
Antimyocarditic	2
Antinauseant	1
Antinephrolytic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuropathic	3
Antineurotic	1
AntiNF-kB	1

<b>Activity</b>	<b>Chemical Count</b>
Antinitrosaminic	7
Antinitrosic	1
Antinociceptive	7
Antinyctalopic	1
Antiobesity	7
Antionychyotic	2
Antiophidic	3
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	7
Antiotitic	2
Antiototic	1
Antioxidant	26
Antioxidant (LDL)	2
Antioxidant Synergist	1
Antioxidant?	1
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	6

<b>Activity</b>	<b>Chemical Count</b>
Antiparotitic	1
Antipellagic	3
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	4
Antipharyngitic	3
Antiphenylketonuric	1
Antiphotophobic	2
Antipityriasic	1
Antiplateque	8
Antiplasmodial	2
AntiPMS	6
Antipneumonic	2
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2

<b>Activity</b>	<b>Chemical Count</b>
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	8
Antiproliferative	1
Antiprostaglandin	4
Antiprostanoid	1
Antiprostatadenomic	1
Antiprostatic	6
Antipsoriatic	2
Antipyretic	5
Antiradicular	10
AntiRaynaud's	4
Antiretardation	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatalgic	1
Antirheumatic	10
Antirhinitic	3
Antirhinoviral	2



<b>Activity</b>	<b>Chemical Count</b>
Antisalmonella	5
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	1
Antiseptic	20
Antiserotonin	1
Antishingles	1
Antisickling	3
Antisilicotic	1
Antisinusitic	2
Antispare-Tire	1
Antispasmodic	26
Antispasmophilic	1
Antistaphylococcic	10
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	5
Antistress	6
Antistroke	3
Antisunburn	2

<b>Activity</b>	<b>Chemical Count</b>
Antisynoptic	1
Antisyndrome-X	6
Antithiamin	2
Antithrombic	1
Antithyroid	2
Antitic	1
Antitinnitic	3
Antitrichinosic	1
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	2
Antitumor	21
Antitumor (Bladder)	2
Antitumor (brain)	2
Antitumor (Breast)	6
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Forestomach)	1
Antitumor (Gastric)	2

<b>Activity</b>	<b>Chemical Count</b>
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	6
Antitumor (Ovary)	2
Antitumor (Pancreas)	3
Antitumor (Prostate)	4
Antitumor (Skin)	4
Antitumor (Stomach)	4
Antitumor (Thyroid)	1
Antitumor-Promoter	6
Antitussive	5
Antiulcer	18
Antiulcerogenic	2
Antivaccinia	1
Antivaginitic	2
Antivaricose	1
Antivertigo	1
Antiviral	15
Antiviral?	1
Antivitaligic	1

<b>Activity</b>	<b>Chemical Count</b>
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	9
AP-1-Inhibitor	1
Aphidifuge	1
Aphrodisiac	1
Apoptotic	9
Aromatase-Inhibitor	2
Artemicide	2
Ascaricide	1
Asthma-preventive	1
Astringent	2
Ataxigenic	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1

<b>Activity</b>	<b>Chemical Count</b>
Bronchoprotectant	1
Bruchiphobe	1
Calcium-Antagonist	4
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	28
Candidicide	11
Candidistat	2
Capillariprotective	1
Carcinogenic	6
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	10
Cardiotoxic	1
Cardiovascular	2
Carminative	3
Caspase-8-Inducer	1
Catabolic	2
Cerebrotonic	1

<b>Activity</b>	<b>Chemical Count</b>
Chemopreventive	9
Cholagogue	2
Choleretic	9
Cholesterolytic	1
Cholinergic	1
Cicatrizant	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	4
CNS-Inhibitor	2
CNS-Stimulant	6
CNS-Toxic	1
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenic	2
Colorant	1
Comedolytic	1

<b>Activity</b>	<b>Chemical Count</b>
COMT-Inhibitor	1
Convulsant	2
Copper-Antagonist	1
Copper-Chelator	2
Coronary-Dilator	1
Corrosive	1
Cosmetic	1
Counterirritant	4
COX-1-Inhibitor	1
COX-2-Inhibitor	4
Culicide	1
Cyclooxygenase-Inhibitor	4
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	4
Cytoprotective	1
Cytotoxic	8
Decongestant	2
Degranulant	2
Deiodinase-Inhibitor	2
Dentifrice	3

<b>Activity</b>	<b>Chemical Count</b>
Deodorant	3
Depressant	1
Dermatitigenic	2
Detoxicant	2
Detoxicant (Alcohol)	1
Diaphoretic?	3
Differentiator	3
Diuretic	13
DNA-Active	1
DNA-Protective	1
Edemagenic	2
Embryotoxic	1
Emetic	1
Encephalopathic	1
Energizer	1
Enterocontractant	1
Enterorelaxant	2
Enterotoxic	1
Ergogenic	1
Erythrocytogenic	1



<b>Activity</b>	<b>Chemical Count</b>
Essential	3
Estrogenic	5
Expectorant	11
Febrifuge	1
Feline-attractant	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	31
Fungicide	20
Fungiphilic	1
Fungistat	3
Fungitoxic	1
GABA-Inhibitor	1
Gastroirritant	1
Gastroprotective	4
Glucosyl-Transferase-Inhibitor	1
Gonadotrophic	1
Gram(+)icide	3
Gram(-)icide	3

<b>Activity</b>	<b>Chemical Count</b>
GST-Inducer	1
Hemolytic	1
Hemopoietic	1
Hemostat	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	10
Hepatoregenerative	1
Hepatotonic	2
Hepatotoxic	1
Hepatotropic	1
Herbicide	8
Histamine-Inhibitor	2
Histaminic	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	1
Hypercholesterolemic	1
Hyperglycemic	1
Hypertensive	1
Hypoammonemic	1

<b>Activity</b>	<b>Chemical Count</b>
Hypocholesterolemic	17
Hypocholesterolemic?	1
Hypoglycemic	7
Hypolipidemic	2
Hypotensive	15
Hypothermic	1
Hypotriglyceridemic	1
Hypouricemic	1
ICAM-1-Inhibitor	2
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	9
Immunostimulant	8
Immunosuppressant	1
Inflammatory	2
Inhalant	1
iNOS-Inhibitor	3
Inotropic	2
Insect-Repellent	2
Insecticide	7

<b>Activity</b>	<b>Chemical Count</b>
Insectifuge	25
Insectiphile	2
Insulinogenic	4
Interferon-Synergist	1
Interferonogenic	2
Interleukin-6-Inhibitor	2
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	15
JNK-Inhibitor	1
Juvabional	2
Keratitigenic	1
Larvicide	2
Larvostat	2
Laxative	5
Laxative?	1
Leptingenic	1
Leukotriene-Inhibitor	2
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	7

<b>Activity</b>	<b>Chemical Count</b>
Lithogenic	1
Litholytic	2
Lubricant	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	1
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	2
Metastatic	1
MMP-9-Inhibitor	2
Molluscicide	1
Monoamine-Precursor	2
Mosquitocide	1
Mosquitofuge	1
Motor-Depressant	2

<b>Activity</b>	<b>Chemical Count</b>
Motor-Stimulant	1
Mucogenic	2
Mucolytic	2
Musculotropic	1
Mutagenic	3
Mycobactericide	2
Myorelaxant	10
NADH-Oxidase-Inhibitor	1
Natriuretic	1
Nematicide	13
Neoplastic	1
NEP-Inhibitor	2
Nephrotoxic	1
Neuroexcitant	1
Neuroinhibitor	2
Neuroprotective	3
Neurotoxic	5
Neurotransmitter	3
NF-kB-Inhibitor	4
NO-Genic	3

<b>Activity</b>	<b>Chemical Count</b>
NO-Inhibitor	3
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	5
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	1
Ovulant	1
Oxidant	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	4
P450-Inducer	6
P450-Inhibitor	1
PAF-Inhibitor	1
Parasympathomimetic	1
Pediculicide	2
Percutaneostimulant	1
Perfume	2
Perfumery	25
Peristaltic	1
Pesticide	47

<b>Activity</b>	<b>Chemical Count</b>
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-Inhibitor	1
Photosensitizer	1
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Preservative	1
Proliferant	2
Prooxidant	3
Propepic	4
Prostaglandigenic	2
Prostaglandin-Inhibitor	1
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	2
PTK-Inhibitor	2
Quinone-Reductase-Inducer	2



Activity	Chemical Count
Roborant	1
Rubefacient	2
Secretagogue	2
Sedative	26
Serotonergic	1
Sialogogue	1
Soap	1
Spasmogenic	6
Spermicide	2
Spermigenic	2
Sprout-Inhibitor	1
Stomachic	1
Succinoxidase-Inhibitor	1
Sunscreen	3
Suppository	1
Surfactant	2
Sweetener	2
Taenicide	1
Teratologic	2
Termiticide	1

<b>Activity</b>	<b>Chemical Count</b>
Termitifuge	2
Testosterone-Hydroxylase-Inducer	2
Testosterone-Inducer	1
Testosteronigenic	1
Thymoleptic	2
Thymoprotective	1
TNF-alpha-Inhibitor	3
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	2
Toxic	1
Tracheorelaxant	2
Tranquilizer	8
Transdermal	6
Tremorigenic	1
Trichomonicide	9
Trypsin-Enhancer	1
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	3

<b>Activity</b>	<b>Chemical Count</b>
Ulcerogenic	2
Uricosuric	1
Urinary-Acidulant	1
Urinary-Antiseptic	1
Uterorelaxant	1
Uterotrophic	1
Varroacide	1
Vasodilator	11
VEGF-Inhibitor	3
Vermicide	2
Vermifuge	1
Verrucolytic	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	3