

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Vitis vinifera*

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-HETE-Inhibitor	1
5-HT-Inhibitor	2
5-Lipoxygenase-Inhibitor	4
Abortifacient	3
Acaricide	5
Acarifuge	1
ACE-Inhibitor	17
Acetylcholinergic	1
AChE-Inhibitor	1
Acidifier	1
Acidulant	4
Additive	2
Adjuvant	1
Adrenergic	1
Akt-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	21
Allelochemic	14
Allelopathic	5
Allergenic	20
Alpha-Amylase-Inhibitor	1
Alpha-Glucosidase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Anabolic	1

Activity	Chemical Count
Analeptic	1
Analgesic	19
Androgenic	2
Androgenic?	1
Anemiagenic	2
Anesthetic	6
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	3
Anthelmintic	4
Antiacetylcholinesterase	2
Antiacid	1
Antiacne	10
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	2
Antiadenoviral	1
Antiadenovirus	1
Antiadrenalinic	1
Antiaflatoxin	3
AntiAGE	2
Antiaggregant	17
Antiaging	6
Antiakathisic	1
Antialcoholic	6
Antialdosteronic	1

Activity	Chemical Count
Antialkali?	1
Antiakalotic	1
Antiallergenic	2
Antiallergic	14
Antialopepic	6
Antialzheimeran	8
Antialzheimeran?	1
Antiamblyopic	1
Antiamebic	1
Antianaphylactic	9
Antiandrogenic	5
Antianemic	5
Antianginal	3
Antiangiogenic	8
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiapoplectic	1
Antiapoptotic	1
Antiarabiflavivotic	1
Antiarrhythmic	8
Antiarteriosclerotic	3
Antiarthritic	17
Antiasthmatic	10
Antiataxic	1
Antiatherogenic	4

Activity	Chemical Count
Antiatheromic	1
Antiatherosclerotic	13
Antibackache	1
Antibacterial	53
Antiberiberi	1
Antibiotic	2
AntiBPH	1
Antibronchitic	1
Antibrucellosic	1
Anticalculic	1
Anticancer	19
Anticancer (Bladder)	1
Anticancer (Breast)	4
Anticancer (Cervix)	3
Anticancer (Colon)	4
Anticancer (Esophagus)	1
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Kidney)	1
Anticancer (Liver)	3
Anticancer (Lung)	2
Anticancer (Mouth)	1
Anticancer (Pancreas)	1
Anticancer (Prostate)	2
Anticancer (Skin)	3
Anticanker	3
Anticapillary-Fragility	2

Activity	Chemical Count
Anticarcinogenic	7
Anticarcinomic	6
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticaries	1
Anticariogenic	10
Anticarpal-Tunnel	1
Anticataract	13
Anticephalagic	4
Anticerebrotic	1
Anticervicaldysplasic	4
AntiCFS	3
Anticheilitic	3
Antichilblain	1
Anticholestatic	1
Antichoreic	1
Anticirrhotic	3
Anticirrhotic?	1
Anticlastogen	3
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	3
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticollegenase	1

Activity	Chemical Count
Anticomplement	2
Anticomplementary	4
Anticonvulsant	7
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	4
Antidecubitic	3
Antideliriant	1
Antidementia	8
Antidepressant	11
Antidepressant?	1
Antidermatic	1
Antidermatitic	8
Antidermatotic	1
Antidiabetic	21
Antidiabetic?	2
Antidiarrheic	2
Antidiscotic	1
Antidiuretic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1

Activity	Chemical Count
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidrepanocytic	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrhic	3
Antidyspeptic	1
Antidysphagic	1
AntiEBV	5
Antieczemic	7
Antiedemic	21
Antieicosanoid	1
Antielastase	5
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterococcic	1
Antienterotic	1
Antiepileptic	5
Antierythemic	3
Antiescherichic	6

Activity	Chemical Count
Antiesherichic	1
Antiesophagitic	1
Antiestrogenic	4
Antiexudative	2
Antifatigue	8
Antifeedant	13
Antifertility	5
Antifibrinolytic	3
Antifibromyalgic	2
Antifibrosarcomic	2
Antifibrotic	3
Antiflu	9
Antifuruncular	1
Antigallstone	2
Antigastric	2
Antigastritic	7
Antigastrotic	2
Antigenotoxic	1
Antigiardial	1
Antigingivitic	6
Antiglaucomic	3
Antiglossitic	2
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	2
Antigonadotropic	3
Antigout	1

Activity	Chemical Count
Antigranular	1
Antigrey	1
AntiGTF	2
Antihangover	5
Antiheartburn	1
Antihelicobacter	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	3
Antihemorrhoidal	1
Antihepatitic	5
Antihepatoadenomic	1
Antihepatocarcinogenic	1
Antihepatotic	1
Antihepatotoxic	20
Antitherpetic	18
Antitherpetic?	1
Antihistaminic	15
AntiHIV	19
Antihomocystinuric	2
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperglycemic	5
Antihyperinsulinemic	2
Antihyperkeratotic	1

Activity	Chemical Count
Antihyperkinetic	2
Antihyperleptinemic	2
Antihyperlipidemic	3
Antihyperlipoproteinaemic	1
Antihypertensive	12
Antihyperthyroid	4
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1
Antiilus?	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	4
Antiinflammatory	53
Antiinsomniac	5
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	4
Antikeratitic	1
Antikeshan	1
Antiketotic	2
Antiklebsiilic	1
Antilactobacillic	1
AntiLegionella	3
Antileishmanic	4

Activity	Chemical Count
Antileptic	2
Antilethargic	1
Antileukemic	20
Antileukonychic	1
Antileukoplakic	1
Antileukorrhic	1
Antileukotriene	8
Antileukotriene-D4	4
Antilipolytic	1
Antilipoperoxidant	7
Antilisteria	1
Antilithic	7
Antilupus	1
AntiLyme	5
Antilymphedemic	1
Antilymphocytic	1
Antilymphomic	6
Antimaculitic	6
Antimalarial	7
Antimange	1
Antimanic	3
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	3
Antimelanomic	9
AntiMeniere's	1

Activity	Chemical Count
Antimenopausal	5
Antimenorrhagic	3
Antimetastatic	8
Antimetastatic (Stomach)	1
Antimigraine	5
Antimite	1
Antimitotic	2
Antimitral-valve-prolapse	1
Antimononucleotic	1
Antimorphinic	1
Antimorphinistic	1
AntiMRSA	1
AntiMS	3
Antimutagenic	36
Antimyalgic	1
Antimycoplasmotic	1
Antimyelotoxic	1
Antimyotrophic	1
Antimyocarditic	2
Antimyopic	1
Antinauseant	1
Antineoplastic	1
Antinephritic	5
Antinephrolytic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1

Activity	Chemical Count
Antineuritic	1
Antineuropathic	4
Antineuropathic?	1
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	6
Antinitrosic	1
Antinociceptive	11
Antinyctalopic	3
Antiobesity	10
Antiobesity?	1
Antiodontalgic	1
Antioncychomycotic	1
Antionychyotic	1
Antiophidic	5
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiosteotic	1
Antiotitic	3
Antiototic	1
Antioxalate	1
Antioxidant	75
Antioxidant Synergist	5
Antioxidant?	2
Antiozenic	1
Antipancreatic	1

Activity	Chemical Count
Antipapillomic	1
Antiparkinsonian	8
Antiparotitic	1
Antipellagic	3
Antiperiodic	1
Antiperiodontal	4
Antiperiodontic	4
Antiperiodontitic	5
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	18
Antiperoxyinitrite	1
AntiPGE2	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	11
Antiplasmodial	5
Antiplatelet	1
AntiPMS	6
Antipneumonic	2
Antipodagric	1
Antipodriac	2
Antipolio	6
Antipoliomyelitic	2
Antipolyneuritic	1

Activity	Chemical Count
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	11
Antiproliferative	1
Antiprostaglandin	8
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	8
Antiprostatic	1
Antiproteolytic	1
Antiprotozoal	1
Antipruritic	2
Antipseudomonic	1
Antipsittacotic	1
Antipsoriac	6
Antipsychotic	3
Antipurpuric	2
Antipyretic	6
Antiradicular	30
AntiRaynaud's	3
Antirenitic	1
Antiretardation	1
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	12

Activity	Chemical Count
Antirheumatic?	1
Antirhinitic	1
Antisalmonella	4
Antisarcotic	1
Antischizophrenic	1
Antisclerodermic	2
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	6
Antisecretory	1
Antiseptic	29
Antiserotonin	2
Antishingles	1
Antishock	1
Antisickling	5
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	19
Antispasmophilic	1
AntiSpina-Bifida	1
Antisprue	1
Antistaphylococcic	8
Antistomatitic	2
Antistreptococcic	4
Antistress	5
Antistroke	3

Activity	Chemical Count
Antisunburn	3
Antisyncopic	1
Antisyndrome-X	6
AntiTGF-beta	2
Antithiamin	2
Antithrombic	3
Antithrombogenic	2
Antithromboxane	1
Antithyroid	4
Antithyrototoxic	1
Antititic	1
Antitinnitic	2
AntiTourette's	1
Antitoxoplasmotic	1
Antitriglyceride	2
Antitrypanosomic	3
Antitubercular	3
Antitumor	39
Antitumor (Bladder)	3
Antitumor (brain)	3
Antitumor (Breast)	11
Antitumor (Cervix)	3
Antitumor (CNS)	1
Antitumor (Colon)	12
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1

Activity	Chemical Count
Antitumor (GI)	1
Antitumor (Kidney)	3
Antitumor (Liver)	2
Antitumor (Lung)	10
Antitumor (Mammary)	1
Antitumor (Mouth)	1
Antitumor (Ovary)	3
Antitumor (Pancreas)	4
Antitumor (Prostate)	8
Antitumor (Skin)	7
Antitumor (Stomach)	5
Antitumor (Thyroid)	1
Antitumor-Promoter	14
Antitussive	4
Antitympanic	1
Antiulcer	24
Antiulcerogenic	2
Antiurease	1
Antiuremic	1
Antiurethrotic	1
Antiuricosuric	1
Antivaccinia	1
Antivaginitic	3
Antivaricose	3
Antivertigo	1
Antiviral	39
Antiviral?	1

Activity	Chemical Count
Antiviral	1
Antiwrinkle	1
Antixerophthalmic	1
Antixerotic	1
Antiyeast	3
Anxiolytic	8
AP-1-Inhibitor	1
Aphidifuge	1
Aphrodisiac	1
Apoptotic	14
Aromatase-Inhibitor	4
Artemicide	3
Arteriodilator	1
Ascaricide	2
Asthma-preventive	1
Astringent	6
ATPase-Inhibitor	1
Autotoxic	1
Bactericide	1
Bacteristat	6
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	9
Beta-Blocker	4
Beta-Glucuronidase-Inhibitor	6
Bradycardiac	1
Bronchodilator	1
Bronchoprotectant	1

Activity	Chemical Count
Bronchorelaxant	1
Bruchifuge	1
Bruchiphobe	4
Calcium-Antagonist	5
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	4
Cancer-Preventive	65
Candida-SAP-Inhibitor	1
Candidicide	11
Candidistat	2
Capillarifortificant	1
Capillarigenic	2
Capillariprotective	4
Capillaritonic	2
Carcinogenic	12
Cardiac	1
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	16
Cardiotonic	8
Cardiotoxic	1
Cardiovascular	1
Carminative	1
Casein-Kinase-II-Inhibitor	1
Caspase-8-Inducer	1

Activity	Chemical Count
Catabolic	2
Chelator	1
Chemopreventive	14
Cholagogue	3
Choleretic	18
Cholesterolytic	4
Choline-Sparing	2
Cholinergic	2
Chronotropic	1
Cicatrizant	1
Circulatory-Stimulant	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	5
CNS-Inhibitor	1
CNS-Paralytic	1
CNS-Stimulant	3
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenase-Inhibitor	2
Collagenic	3
Colorant	9
Comedogenic	1
Comedolytic	2

Activity	Chemical Count
COMP-Inhibitor	4
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Corrosive	1
Cosmetic	2
Counterirritant	1
COX-1-Inhibitor	7
COX-2-Inhibitor	14
Culicide	1
Cyclooxygenase-Activator	2
Cyclooxygenase-Inhibitor	13
CYP1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	1
Cytoprotective	2
Cytotoxic	16
Deiodinase-Inhibitor	3
Deliriant	1
Demulcent	1
Deodorant	2
Depressant	1
Dermatitigenic	5
Detoxicant	4
Detoxicant (Alcohol)	1
Diagnostic	1

Activity	Chemical Count
Diaphoretic	1
Diaphoretic?	3
Differentiator	3
Disinfectant	1
Diuretic	20
DME-Inhibitor	1
DNA-Active	1
DNA-Protective	1
Dye	3
Elastase-Inhibitor	4
Embryotoxic	1
Emetic	4
Emmenagogue	1
Encephalopathic	1
Energizer	1
Enterocontractant	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	9
Estrogenic?	1
Ethanolytic	1
Expectorant	7
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1

Activity	Chemical Count
Flatugenic	2
FLavor	23
Floral-Inhibitor	1
FPTase-Inhibitor	1
Fungicide	32
Fungiphilic	1
Fungistat	3
Fungitoxic	1
GABA-nergic	1
Gastroprotective	3
Glucosyl-Transferase-Inhibitor	3
Glutathione-Depleting	1
Glutathionigenic	1
Goitrogenic	1
Gonadotrophic	1
Gram(+)icide	1
Gram(-)icide	1
GST-Inducer	1
Hematopoietic	1
Hemolytic	2
Hemopoietic	1
Hemorrhagic	1
Hemostat	10
Hemostatic	2
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	27

Activity	Chemical Count
Hepatotonic	3
Hepatotoxic	3
Hepatotropic	3
Herbicide	6
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	2
Histaminic	2
HIV-RT-Inhibitor	3
Hormonal	1
Hyaluronidase-Inhibitor	4
Hydrocholerectic	1
Hydroperoxidase-Inhibitor	1
Hypercholesterolemic	2
Hyperglycemic	3
Hypertensive	2
Hypnotic	3
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	27
Hypoglycemic	19
Hypolipemic	1
Hypolipidemic	4
Hypotensive	22
Hypothermic	2
Hypotriglyceridemic	1
Hypouricemic	1
ICAM-1-Inhibitor	2

Activity	Chemical Count
IkB-kinase-Inhibitor	1
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	14
Immunostimulant	17
Immunosuppressant	6
iNOS-Inhibitor	3
Inotropic	3
Insecticide	6
Insectifuge	13
Insectifuge?	1
Insectiphile	5
Insulin-Sparing	2
Insulinase-Inhibitor	1
Insulinogenic	7
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Interleukin-1-alpha-Inhibitor	1
Interleukin-6-Inhibitor	2
Interleukin-6-mRNA-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	14
JNK-Inhibitor	2
Juvabional	6
Keratitigenic	1
Keratolytic	3

Activity	Chemical Count
Larvicide	2
Larvostat	8
Laxative	7
Laxative?	2
Leptogenic	1
Leucocytogenic	2
Leukotriene-Inhibitor	2
Lipolytic	4
Lipotropic	4
Lipoxygenase-1-Inhibitor	1
Lipoxygenase-Inhibitor	17
Lithogenic	2
Litholytic	2
Lubricant	4
Lyase-Inhibitor	1
Lymphocytogenic	2
Lymphokinetic	1
MAO-A-Inhibitor	2
MAO-Inhibitor	3
MAPK-Inhibitor	2
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator	4
Metal-Chelator (Copper)	3
Metalloproteinase-Inhibitor	2
Metastatic	1

Activity	Chemical Count
Mitotic	1
MMP-9-Inhibitor	3
Monoamine-Precursor	3
Monoaminergic	1
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	2
Mucogenic	3
Mucolytic	2
Mutagenic	6
Mycobactericide	3
Myoprotective	1
Myorelaxant	6
NADH-Oxidase-Inhibitor	1
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
Narcotic	1
Natriuretic	2
Nematicide	10
Neoplastic	1
NEP-Inhibitor	2
Nephrotoxic	5
Neuroexcitant	1
Neuroinhibitor	2
Neuroprotective	5
Neurotoxic	2
Neurotransmitter	2
NF-kB-Inhibitor	6

Activity	Chemical Count
NO-Genic	3
NO-Inhibitor	7
NO-Scavenger	1
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	10
Osteogenic	1
Osteolytic	1
Ovicide	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	2
Oxidase-Inhibitor	1
Ozone-Scavenger	1
P450-Inducer	3
P450-Inhibitor	1
PAF-Inhibitor	2
Pancreatogenic	2
Paralytic	1
Parasiticide	1
Percutaneostimulant	2
Perfumery	14
Peristaltic	2
Peroxynitrite-Scavenger	2
Pesticide	86
PGE2-Inhibitor	1
Phagocytotic	6

Activity	Chemical Count
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Photosensitizer	1
Phytoalexin	6
Phytohormonal	3
Pigment	8
Piscicide	3
Pituitary-Stimulant	1
PKC-Inhibitor	1
PKD-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
Preservative	2
Previtamin-A	2
Prolactinogenic	1
Proliferant	2
Prooxidant	11
Propepic	7
Prostaglandigenic	5
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	6
Prostaglandin-Synthetase-Inhibitor	1
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	5
Psychotropic	1

Activity	Chemical Count
PTK-Inhibitor	4
Quinone-Reductase-Inducer	8
Radioprotective	1
Refrigerant	1
Renotoxic	1
Respirodepressant	1
Retinoprotectant Optometry	1
Reverse-Transcriptase-Inhibitor	1
Roborant	1
Rodenticide	1
Scabicide	1
Schizophrenigenic	1
Secretagogue	3
Sedative	15
Sequestrant	1
Serotoninerpic	2
Sialogogue	1
Soap	1
Sodium-Sparing	1
Spermicide	2
Spermigenic	2
Sprout-Inhibitor	1
Styptic	1
Succinoxidase-Inhibitor	1
Sunscreen	8
Suppository	1
Sweetener	4

Activity	Chemical Count
Taenicide	1
Teratogenic	2
Teratologic	2
Termiticide	2
Termitifuge	1
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
Tineacide	1
Tissue-Thromboplastin-Inhibitor	1
TNF-alpha-Inhibitor	5
TOPO-2-Inhibitor	2
Topoisomerase-I-Antagonist	1
Topoisomerase-I-Inhibitor	5
Topoisomerase-II-Inhibitor	6
Toxic	2
Tranquilizer	4
Transdermal	2
Tremorigenic	1
Trichomonicide	6
Trypanocide	1
Tumor-Promoter	2
Tumorigenic	2
Tyrosinase-Inhibitor	7
Tyrosine-Kinase-Inhibitor	2
Ubiquit	11
Ulcerogenic	3

Activity	Chemical Count
Uricosuric	5
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Uterotrophic	1
Varroacide	1
Vasoactive	1
Vasoconstrictor	2
Vasodilator	16
Vasopressor	4
Vasoprotective	1
VEGF-Inhibitor	4
Vermifuge	1
Verrucolytic	1
Vibriocide	1
Vitamin-A-Activity	1
Vulnerary	8
Xanthine-Oxidase-Inhibitor	15