

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Glycyrrhiza glabra***

Activity	Chemical Count
11B-HSD-Inhibitor	5
5-Alpha-Reductase-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	4
Absorbent	1
Acaricide	4
ACE-Inhibitor	5
Acetylcholinergic	1
Acidulant	3
Adaptogenic	1
Adrenocorticotropic	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	18
Allelochemic	3
Allelopathic	4
Allergenic	15
Alpha-Reductase-Inhibitor	1

Activity	Chemical Count
Amphiestrogenic	1
Amphiglycemic?	1
Analgesic	18
Anaphrodisiac	1
Ancylostomicide	1
Androgenic	1
Androgenic?	1
Anesthetic	11
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Ankylostomacide	1
Anorexic	2
Anthelmintic	6
Antiacetylcholinesterase	4
Antiacne	10
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
AntiAddisonian	4
Antiadenomic	1

Activity	Chemical Count
Antiaflatoxin	5
AntiAGE	2
Antiaggregant	17
Antiaging	5
Antiakathisic	1
Antialcoholic	5
Antiallergic	14
Antialopepic	2
Antialzheimeran	8
Antialzheimeran?	3
Antiamblyopic	1
Antiamnesic	2
Antiamyloid-Beta	1
Antianaphylactic	5
Antiandrogenic	2
Antianemic	2
Antianginal	3
Antiangiogenic	6
Antianorectic	2
Antianorexic	1

Activity	Chemical Count
Antianxiety	2
Antiapertif	1
Antiapoptotic	1
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	6
Antiartherosclerotic	1
Antiarthritic	11
Antiasthmatic	10
Antiatheromic	1
Antiatherosclerotic	11
Antibacillary	1
Antibackache	1
Antibacterial	48
Antiberiberi	1
AntiBPH	1
Antibradiquinic	1
Antibronchitic	1
Anticancer	8
Anticancer (Breast)	2

Activity	Chemical Count
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Foreestomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	2
Anticancer (Pancreas)	1
Anticancer (Skin)	1
Anticanker	3
Anticarcinogenic	1
Anticarcinomic	3
Anticarcinomic (Breast)	2
Anticardiospasmic	1
Anticaries	2
Anticariogenic	8
Anticarpal-Tunnel	1
Anticataract	8
Anticephalagic	3
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2

Activity	Chemical Count
Antichilblain	2
Anticholinergic	1
Anticholinesterase	3
Anticholinesterase?	1
Antichoreic	1
Anticirrhotic	6
Anticlimacteric	5
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticomplement	1
Anticomplementary	2
Anticonvulsant	6
Anticorneotic	1
Anticoronary	5
AntiCrohn's	4
AntiCTS	1
Anticystinuric	1
Anticystitic	1

Activity	Chemical Count
Antidandruff	3
Antidecubitic	3
Antideliriant	1
Antidementia	6
Antidengue	1
Antidepressant	8
Antidermatitic	6
Antidermatotic	1
Antidiabetic	13
Antidiarrheic	3
Antidiphtheric	1
Antidiscotic	1
Antidiuretic	3
Antidote	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Camphor)	1
Antidote (Iodine)	1
Antidote (Lead)	3
Antidote (Mercury)	1

Activity	Chemical Count
Antidote (Morphine)	1
Antidote (Paraquat)	1
Antidote (pesticides)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrheic	3
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	4
Antiedemic	14
Antielastase	2
Antiembolic	1
Antiemetic	1
Antiencephalitic	2
Antiencephalopathic	2
Antiendocytotic	1
Antiendometriotic	2
Antienteritic	1

Activity	Chemical Count
Antienterotic	1
Antiepileptic	4
Antierythemic	2
Antiescherichic	2
Antiesophagitic	1
Antiestrogenic	12
Antifatigue	6
Antifeedant	9
Antifertility	3
Antifibrinolytic	1
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrositic	1
Antifibrotic	4
Antiflu	3
Antifuruncular	1
Antigallstone	2
Antigastric	2
Antigastritic	4
Antigastrotic	1

Activity	Chemical Count
Antigenotoxic	2
Antigingivitic	3
Antiglaucomic	3
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	1
Antigout	1
AntiGTF	1
Antihalitotic	1
Antihangover	5
Antiheartburn	1
Antihelicobacter	2
Antihemolytic	1
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	1
Antihepatomic	1
Antihepatotic	2

Activity	Chemical Count
Antihepatotoxic	11
Antiherpetic	15
Antiherpetic?	1
Antihiccup	1
Antihistaminic	11
AntiHIV	13
Antihomocysteine	1
Antihomocystinuric	1
AntiHot-Flash	1
Antihydrocoele	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperglycemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	7
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1

Activity	Chemical Count
Antiimplantation	2
Antiimpotence	1
Antiincontinence	1
Antiinfective	1
Antiinfertility	2
Antiinflammatory	41
Antiinsomniac	3
Antiinsomnic	1
Antiischemic	4
Antijet-lag	1
Antikeratitic	1
Antikeratotic	2
Antikeshan	1
Antiketotic	2
AntiLegionella	1
Antileishmanic	2
Antileptic	3
Antileucodermic	1
Antileukemic	13
Antileukodermic	1

Activity	Chemical Count
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antilipoperoxidant	2
Antilithic	4
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	5
Antimaculitic	4
Antimalarial	5
Antimange	1
Antimanic	1
Antimastalgic	1
Antimastitic	1
AntiMDR	1
Antimeasles	1
Antimelanomic	10
AntiMeniere's	1
Antimenopausal	5

Activity	Chemical Count
Antimenorrhagic	1
Antimetastatic	6
Antimicrobial	1
Antimigraine	4
Antimite	1
Antimitochondrial	1
Antimitogenic	1
Antimitotic	5
Antimitral-valve-prolapse	1
AntiMRSA	2
AntiMS	2
Antimutagenic	26
Antimyalgic	1
Antimycotic	1
Antimyotrophic	1
Antimyocarditic	2
Antinauseant	1
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1

Activity	Chemical Count
Antinesidioblastosic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuroblastomic	1
Antineuropathic	2
Antineurotic	1
AntiNF-kB	2
Antinitrosaminic	3
Antinitrosating	1
Antinitrosic	1
Antinociceptive	6
Antinyctalopic	1
Antiobesity	6
Antiodontalgic	1
Antioncychomycotic	1
Antionychogryphotic	1
Antionychyotic	1
Antiophidic	2

Activity	Chemical Count
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	9
Antiosteosclerotic	1
Antiotitic	3
Antiototic	1
Antioxalate	1
Antioxidant	39
Antioxidant (LDL)	2
Antioxidant Synergist	1
Antiozenic	1
AntiPAF	1
Antipancreatic	1
Antipapillomic	1
Antiparasitic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	2
Antipeptic	1

Activity	Chemical Count
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	3
Antipermeability	1
Antiperoxidant	3
Antiperoxidative	1
Antiperoxyinitrite	1
AntiPGE2	1
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	2
Antiplatelet	7
Antiplasmodial	4
Antipneumonic	1
Antipodagric	1
Antipodriac	2

Activity	Chemical Count
Antipolio	1
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	6
Antiproliferative	2
Antiprostaglandin	6
Antiprostanoid	1
Antiprostataadenomic	2
Antiprostatic	5
Antiproteinuric	1
Antipruritic	3
Antipsoriac	5
Antipyretic	7
Antipyruvetic	1
Antiradicular	16
AntiRaynaud's	3
Antiretinopathic	1
Antiretinotic	1

Activity	Chemical Count
AntiReye's	1
Antirheumatalgic	2
Antirheumatic	12
Antirhinitic	1
Antisalmonella	7
Antischizophrenic	1
Antiscleromyxoedemic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	3
Antiseptic	38
Antiserotonin	2
Antiserotoninic	1
Antishingles	1
Antishock	1
Antisickling	2
Antisilicotic	1
Antisindhis	1
Antisinusitic	1
Antispare-Tire	1

Activity	Chemical Count
Antispasmodic	28
Antispasmophilic	1
Antispastic	1
Antistaphylococcic	10
Antisteatotic	1
Antistomatitic	5
Antistreptococcic	4
Antistress	6
Antistressor	4
Antistroke	2
Antisyndrome-X	6
Antitartar	1
Antitetanic	1
Antithiamin	1
Antithrombic	2
Antithrombotic	1
Antithromboxane	1
Antithyroid	2
Antithyrototoxic	1
Antitic	1

Activity	Chemical Count
Antitinnitic	1
AntiTNF	2
Antitrichinosic	1
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	2
Antituberculic	1
Antitumor	21
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	8
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (GI)	1
Antitumor (Liver)	1
Antitumor (Lung)	7
Antitumor (Ovary)	3

Activity	Chemical Count
Antitumor (Pancreas)	1
Antitumor (Prostate)	4
Antitumor (Skin)	3
Antitumor (Stomach)	2
Antitumor-Promoter	8
Antitussive	8
Antitympanic	1
Antiulcer	20
Antiulcer?	2
Antiulcerogenic	1
Antiurethrotic	1
Antivaccinia	2
Antivaccinic	1
Antivaginitic	2
Antivaricose	1
Antivasculitic	1
Antivertigo	1
Antiviral	28
Antiviral?	1
Antivitaligic	1

Activity	Chemical Count
Antiwrinkle	1
Antixerophthalmic	1
Antiyeast	2
Anxiolytic	6
AP-1-Inhibitor	1
Aphidifuge	2
Apifuge	1
Apoptotic	10
Aromatase-Inhibitor	5
Artemicide	4
Arteriodilator	2
Ascaricide	1
Asthma-preventive	1
Astringent	1
Ataxigenic	1
Atherogenic	1
ATPase-Inhibitor	1
Bactericide	1
Bacteriostatic	1
Bacteristat	2

Activity	Chemical Count
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Bronchorelaxant	1
Bruchiphobe	2
Bufocide	1
Calcium-Antagonist	10
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	4
Cancer-Preventive	50
Candidicide	18
Candidistat	1
Capillarigenic	1
Capillariprotective	2
Carcinogenic	6
Carcinogenic?	1

Activity	Chemical Count
Cardiac	2
Cardiodepressant	2
Cardiomyopathogenic	1
Cardioprotective	10
Cardiotonic	2
Cardiotoxic	1
Carminative	7
Caspase-8-Inducer	1
Catabolic	1
Catechol-O-Methyltransferase-Inhibitor	1
Cerebrodepressant	1
Cerebrotonic	1
Chelator	1
Chemopreventive	2
Cholagogue	2
Choleretic	8
Cholinergic	1
Cicatrizant	1
Circulotonic	1
Clastogenic	1

Activity	Chemical Count
CNS-Active	1
CNS-Depressant	6
CNS-Paralytic	1
CNS-Sedative	1
CNS-Stimulant	2
Cold-preventive	1
Collagenic	2
Collyrium	1
Colorant	1
Comedolytic	1
COMT-Inhibitor	1
Convulsant	2
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	1
Counterirritant	5
COX-1-Inhibitor	3
COX-2-Inhibitor	6
Culicide	2
Cyclin-Inhibitor	1

Activity	Chemical Count
Cyclooxygenase-Inhibitor	9
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	2
Cytotoxic	12
Cytotoxic (Breast)	1
Cytotoxic (Colon)	1
Cytotoxic (Lung)	1
Decarboxylase-Inhibitor	1
Decongestant	1
Deiodinase-Inhibitor	2
Deliriant	1
Demulcent	2
Dentifrice	2
Deodorant	2
Depressant	1
Dermal	1
Dermatitigenic	5
Detoxicant	3
Detoxicant (Alcohol)	1

Activity	Chemical Count
Diaphoretic	1
Diaphoretic?	2
Differentiator	2
Digestive	1
Diuretic	14
DME-Inhibitor	1
DNA-Binder	1
DNA-Protective	1
DOPA-Decarboxylase-Inhibitor	1
Ecbolic	1
Embryotoxic	2
Emetic	6
Emmenagogue	2
Emollient	1
Encephalopathic	1
Energizer	1
Enterorelaxant	3
Enterotoxic	1
Epileptigenic	2
Ergogenic	2

Activity	Chemical Count
Erythrocytogenic	1
Estrogen-Agonist	1
Estrogenic	14
Ethanolytic	1
Expectorant	12
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	2
Flatulent	1
FLavor	34
FPTase-Inhibitor	1
Fungicide	40
Fungistat	5
GABA-nergic	1
Gastroirritant	1
Gastroprotective	2
Gastrostimulant	1
Glucosyl-Transferase-Inhibitor	1

Activity	Chemical Count
Glutathionigenic	1
Goitrogenic	1
Gonadotrophic	1
Gram(+)icide	1
Gram(-)icide	1
Hallucinogenic	1
Hemoglobin-Inducer	1
Hemolytic	4
Hemopoietic	1
Hemostat	4
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	17
Hepatotoxic	2
Hepatotropic	1
Herbicide	9
Herbicide-Safener	1
Herpetifuge	1
HIF-1alpha-Inhibitor	1

Activity	Chemical Count
Histidine-Kinase-Inhibitor	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	1
Hydrocholerectic	1
Hypercholesterolemic	2
Hyperglycemic	1
Hypertensive	5
Hypertrichotic	1
Hypnotic	2
Hypocholesterolemic	14
Hypoglycemic	9
Hypolipidemic	4
Hypotensive	16
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	2
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	7
Immunostimulant	14

Activity	Chemical Count
Immunosuppressant	2
iNOS-Inhibitor	3
Inotropic	3
Insect-Repellent	1
Insecticide	11
Insectifuge	16
Insectiphile	5
Insulinase-Inhibitor	1
Insulinogenic	4
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	4
Interleukin-6-Inhibitor	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	15
JNK-Inhibitor	1
Juvabional	2
Keratitigenic	1
Keratolytic	1
Lactagogue	1

Activity	Chemical Count
Larvicide	4
Larvostat	1
Laxative	7
Laxative?	1
Leptogenic	1
Leucocytogenic	1
Lipase-Inhibitor	1
Lipolytic	3
Lipotropic	2
Lipoxygenase-Inhibitor	5
Lithogenic	1
Litholytic	1
Lubricant	1
MAO-A-Inhibitor	1
MAO-Inhibitor	13
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
MDR-Inhibitor	1
Memorigenic	2
Memory-Enhancer	1

Activity	Chemical Count
Metal-Chelator	1
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Mineral-Corticoid	3
Mitogenic	1
MMP-9-Inhibitor	1
Molluscicide	3
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	5
Mucogenic	3
Mucolytic	2
Musculotropic	1
Mutagenic	7
Mycobactericide	3
Myorelaxant	5
NADH-Oxidase-Inhibitor	2
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
Narcotic	1
Natriuretic	2

Activity	Chemical Count
Nematicide	12
Neoplastic	1
NEP-Inhibitor	1
Nephroprotective	1
Nephrotoxic	1
Neuroprotective	5
Neurotoxic	2
Neurotransmitter	1
NF-kB-Inhibitor	4
NO-Inhibitor	2
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Nootropic	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	5
Osteogenic	1
Osteolytic	1
Ovulant	1
P21-Inducer	1
P450-2B1-Inhibitor	1

Activity	Chemical Count
P450-Inducer	1
P450-Inhibitor	3
PAF-Inhibitor	1
Pancreaprotective	1
Parasiticide	1
Parasympathomimetic	1
PDGF-Inhibitor	1
Perfumery	21
Peristaltic	1
Peroxidase-Inhibitor	2
Pesticide	85
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Photoactive	2
Phototoxic	1
Phytoalexin	8
Pigment	1
Piscicide	2

Activity	Chemical Count
Pituitary-sensitizer	1
PKC-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	2
Poultice	1
Preservative	2
Progestational	1
Proliferant	1
Prooxidant	5
Propepic	1
Prostaglandigenic	2
Prostaglandin-Inhibitor	1
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	6
Protein-Kinase-C-Inhibitor	3
Protisticide	2
Pseudoaldosteronistic	1
PTK-Inhibitor	3
Quinone-Reductase-Inducer	5
Quinone-Reductase-Inhibitor	1

Activity	Chemical Count
Radioprotective	1
Renoirritant	1
Renotoxic	1
Respirainhibitor	2
Respirastimulant	1
Reverse-Transcriptase-Inhibitor	1
Rodenticide	2
Rubefacient	2
Schistosomicide	1
Secretogogue	2
Secretolytic	2
Sedative	14
Serotonin-Inhibitor	1
Serotoninergetic	1
Sialogogue	1
Soap	1
SOD-Genic	1
Soporific	1
Spermicide	3
Spermigenic	1

Activity	Chemical Count
Sprout-Inhibitor	1
Stimulant	1
Sunscreen	4
Sweetener	9
Sympathomimetic	1
Taenicide	1
Teratogenic	1
Teratologic	2
Termiticide	3
Termitifuge	1
Testosteronigenic	1
Thermogenic	1
Thymoprotective	1
Thyroid-Peroxidase-Inhibitor	1
Tineacide	1
TNF-alpha-Inhibitor	5
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	7
Topoisomerase-II-Inhibitor	5
Topoisomerase-II-Poison	1

Activity	Chemical Count
Toxic	1
Tracheorelaxant	2
Tranquilizer	2
Transdermal	4
Trichomonicide	7
Trichomonistat	1
Triglycerigenic	1
Trypanosomastat	1
Trypsin-Enhancer	1
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	5
Tyrosine-Kinase-Inhibitor	4
Ubiquiot	3
Ulcerogenic	4
Uricogenic	1
Uricosuric	2
Urinary-Acidulant	1
Urinary-Antiseptic	1
Uterorelaxant	1

Activity	Chemical Count
Uterosedative	2
Uterotrophic	4
UV-Screen	1
VAM-Stimulant	1
Varroacide	3
Vasodilator	12
Vasorelaxant	1
VEGF-Inhibitor	4
Vermicide	1
Vermifuge	2
Verrucolytic	2
Vibriocide	1
Vulnerary	6
Xanthine-Oxidase-Inhibitor	10