

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in *Sophora japonica***

<b>Activity</b>	<b>Chemical Count</b>
11B-HSD-Inhibitor	2
17-beta-hydroxysteroid dehydrogenase-Inhibitor	1
5-Alpha-Reductase-Inhibitor	3
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	8
Allelochemic	2
Allelopathic	2
Allergenic	3
Alpha-Reductase-Inhibitor	3
Analgesic	4
Androgenic	1
Anemiagenic	1
Angiogenic	1
Angiotensin-Receptor-Blocker	3

<b>Activity</b>	<b>Chemical Count</b>
Anorexic	1
Antiacne	1
Antiadenomic	1
Antiadenoviral	1
Antiaflatoxin	2
AntiAGE	1
Antiaggregant	7
Antiaging	3
Antialcoholic	1
Antiallergic	7
Antialopepic	2
Antialzheimeran	2
Antianaphylactic	3
Antiandrogenic	3
Antiangiogenic	2
Antianxiety	1
Antiapoplectic	1
Antiarrhythmic	4
Antiarteriosclerotic	1
Antiarthritic	4

<b>Activity</b>	<b>Chemical Count</b>
Antiasthmatic	2
Antiatherogenic	2
Antiatherosclerotic	5
Antibacterial	10
Anticancer	3
Anticancer (Breast)	2
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Forestomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Skin)	1
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	1
Anticarcinomic (Breast)	2
Anticariogenic	1
Anticataract	3
Anticephalagic	1
Anticervicaldysplasic	1

<b>Activity</b>	<b>Chemical Count</b>
AntiCFS	1
Antichorioadenomic	1
Anticlastogen	2
Anticlimacteric	3
Anticold	1
Anticolitic	1
Anticomplementary	1
Anticonvulsant	1
Anticoronary	1
AntiCrohn's	2
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidecubitic	1
Antidementia	2
Antidepressant	5
Antidermatitic	3
Antidiabetic	4
Antidote (Aluminum)	2
Antidote (Cadmium)	1

<b>Activity</b>	<b>Chemical Count</b>
Antidote (Lead)	2
Antidote (Paraquat)	1
Antidysmenorrheic	1
Antieczemic	2
Antiedemic	5
Antielastase	2
Antiencephalitic	2
Antiendocytotic	1
Antiendometriotic	1
Antierythemic	1
Antiescherichic	2
Antiestrogenic	5
Antifatigue	2
Antifeedant	4
Antifertility	5
Antifibrinolytic	1
Antifibrosarcomic	1
Antifibrotic	1
Antiflu	3
Antigallstone	1

<b>Activity</b>	<b>Chemical Count</b>
Antigastric	1
Antigastritic	1
Antigingivitic	2
Antiglaucomic	2
Antigonadotrophic	1
Antigonadotropic	2
Antigranular	1
AntiGTF	1
Antihangover	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	1
Antihepatoadenomic	1
Antihepatotoxic	7
Antiherpetic	6
Antihistaminic	7
AntiHIV	3
Antihydrophobic	1

<b>Activity</b>	<b>Chemical Count</b>
Antihypercholesterolemic	1
Antihyperkinetic	1
Antihyperlipoproteinaemic	1
Antihypertensive	6
Antihyperthyroid	1
Antiimplantation	2
Antiinfertility	1
Antiinflammatory	13
Antiinsomniac	1
Antiischemic	1
AntiLegionella	1
Antileishmanic	1
Antileptic	1
Antileukemic	7
Antileukotriene	3
Antileukotriene-D4	2
Antilipoperoxidant	1
Antilithic	1
AntiLyme	1
Antilymphocytic	1

<b>Activity</b>	<b>Chemical Count</b>
Antilymphomic	2
Antimaculitic	1
Antimalarial	3
Antimeasles	1
Antimelanogenic	1
Antimelanomic	3
Antimenopausal	2
Antimenorrhagic	1
Antimetastatic	2
Antimicrobial	1
Antimigraine	1
Antimitogenic	1
Antimitotic	1
AntiMS	1
Antimutagenic	9
Antimyocarditic	1
Antineoplastic	1
Antinephritic	1
Antineuramidase	1
Antineuroblastomic	1

<b>Activity</b>	<b>Chemical Count</b>
Antinitrosaminic	4
Antinitrosic	1
Antinociceptive	2
Antiobesity	3
Antiophidic	2
Antiorchitic	1
Antiosteoarthritic	1
Antiosteoporotic	4
Antioxidant	10
Antipancreatic	1
Antiparkinsonian	1
Antiparotitic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	2
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	4
Antiperoxynitrite	1
Antipharyngitic	1

<b>Activity</b>	<b>Chemical Count</b>
Antiplatelet	2
Antiplasmodial	2
Antiplatelet	1
AntiPMS	2
Antipneumonic	1
Antipodriac	2
Antipolio	1
Antipoliomyelitic	1
Antiprogestational	1
Antiproliferant	4
Antiproliferative	1
Antiprostaglandin	2
Antiprostanoid	1
Antiprostataadenomic	3
Antiprostatic	5
Antiprotozoal	1
Antipsoriac	1
Antipurpuric	1
Antipyretic	2
Antiradicular	6

<b>Activity</b>	<b>Chemical Count</b>
AntiRaynaud's	1
Antiretinotic	1
Antirheumatic	2
Antirhinitic	1
Antiscorbutic	1
Antiseptic	4
Antiserotonin	2
Antishingles	1
Antispasmodic	9
Antistaphylococcic	2
Antistomatitic	1
Antistreptococcic	1
Antistress	2
Antistroke	1
Antisunburn	2
Antisyndrome-X	1
Antithiamin	2
Antithrombic	2
Antithrombogenic	1
Antithyroid	2

<b>Activity</b>	<b>Chemical Count</b>
Antitic	1
Antitrypanosomic	2
Antitumor	10
Antitumor (Bladder)	1
Antitumor (Breast)	3
Antitumor (Cervix)	1
Antitumor (Colon)	2
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (GI)	2
Antitumor (Liver)	1
Antitumor (Lung)	4
Antitumor (Ovary)	2
Antitumor (Prostate)	1
Antitumor (Skin)	3
Antitumor (Stomach)	1
Antitumor-Promoter	5
Antiulcer	5
Antiulcer?	1
Antiulcerogenic	2

<b>Activity</b>	<b>Chemical Count</b>
Antivaccinia	1
Antivaricose	1
Antiviral	9
Anxiolytic	4
Aphidifuge	1
Apoptotic	7
Aromatase-Inhibitor	3
Artemicide	1
Arteriodilator	1
Asthma-preventive	1
ATPase-Inhibitor	1
Bacteristat	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Calcium-Antagonist	3
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3

<b>Activity</b>	<b>Chemical Count</b>
Cancer-Preventive	14
Candidicide	3
Capillariprotective	2
Carcinogenic	4
Cardiac	1
Cardioprotective	4
Cardiorelaxant	1
Cardiotoxic	1
Caspase-8-Inducer	1
Catabolic	2
Catechol-O-Methyltransferase-Inhibitor	1
Chemopreventive	4
Cholagogue	2
Choleretic	5
Clastogenic	1
CNS-Active	1
CNS-Inhibitor	1
Co-carcinogenic	1
Cold-preventive	1
Collagen-Sparing	1

<b>Activity</b>	<b>Chemical Count</b>
Collagenic	1
Comedolytic	1
COMT-Inhibitor	1
Convulsant	1
Copper-Chelator	2
COX-2-Inhibitor	3
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	2
Cytotoxic	6
Deiodinase-Inhibitor	1
Dermatitigenic	1
Detoxicant	1
Diaphoretic?	3
Differentiator	1
Diuretic	6
DNA-Active	1
DNA-Protective	1
DOPA-Decarboxylase-Inhibitor	1
ER-Beta-Binder	1

<b>Activity</b>	<b>Chemical Count</b>
Estrogen-Agonist	2
Estrogenic	5
Estrogenic?	1
Febrifuge	1
Fistula-Preventive	1
Flatulent	2
FLavor	1
Fungicide	8
Fungistat	2
Glucosyl-Transferase-Inhibitor	1
Gonadotrophic	1
Hallucinogenic	1
Hemostat	2
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	7
Hepatotropic	2
Herbicide	1
Herbicide-Safener	1
Histamine-Inhibitor	1

<b>Activity</b>	<b>Chemical Count</b>
Histidine-Kinase-Inhibitor	1
HIV-RT-Inhibitor	2
Hydrocholerectic	1
Hypocholesterolemic	9
Hypoglycemic	3
Hypolipemic	1
Hypolipidemic	4
Hypotensive	7
Hypothermic	1
Hypouricemic	1
ICAM-1-Inhibitor	1
Immunomodulator	3
Immunostimulant	6
Immunosuppressant	1
iNOS-Inhibitor	2
Inotropic	3
Insecticide	1
Insectifuge	4
Insectiphile	1
Insulinogenic	1

<b>Activity</b>	<b>Chemical Count</b>
Interferonogenic	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	1
JNK-Inhibitor	1
Juvabional	2
Larvostat	2
Laxative	2
Leukotriene-Inhibitor	1
Lipase-Inhibitor	1
Lipoxygenase-Inhibitor	5
Lithogenic	1
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
MDR-Inhibitor	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1

<b>Activity</b>	<b>Chemical Count</b>
MMP-9-Inhibitor	1
Molluscicide	1
Mucolytic	1
Mutagenic	3
Myoprotective	1
Myorelaxant	1
NADH-Oxidase-Inhibitor	1
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
Natriuretic	2
Nematicide	1
Nematostat	1
NEP-Inhibitor	1
Neuroprotective	2
NF-kB-Inhibitor	1
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	4
Osteogenic	1
Oviposition-Stimulant	1
P450-Inducer	1

<b>Activity</b>	<b>Chemical Count</b>
P450-Inhibitor	1
PAF-Inhibitor	2
Paralytic	1
Percutaneostimulant	1
Perfumery	1
Peroxidase-Inhibitor	1
Pesticide	13
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-Inhibitor	1
Phytoalexin	1
Pituitary-sensitizer	1
Plasmodicide	1
Preservative	1
Pressor	1
Proliferant	1
Prooxidant	1
Propepic	2
Prostaglandigenic	3
Prostaglandin-Synthesis-Inhibitor	4

<b>Activity</b>	<b>Chemical Count</b>
Protein-Kinase-C-Inhibitor	1
Protisticide	3
Psychoactive	1
PTK-Inhibitor	2
Quinone-Reductase-Inducer	4
Radioprotective	1
Respirastimulant	1
Sedative	1
Spermicide	1
Sunscreen	3
Teratogenic	1
Teratologic	2
TNF-alpha-Inhibitor	2
Topoisomerase-I-Inhibitor	4
Topoisomerase-II-Inhibitor	6
Topoisomerase-II-Poison	1
Toxic	1
Tranquilizer	1
Trypanosomastat	1
Tumorigenic	2

<b>Activity</b>	<b>Chemical Count</b>
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	2
Ubiquiot	1
Ulcerogenic	1
Uricosuric	1
Urinary-Acidulant	1
Uterosedative	1
Uterotrophic	3
VAM-Simulant	1
Vasodilator	7
Vasopressor	1
VEGF-Inhibitor	2
Vulnerary	2
Xanthine-Oxidase-Inhibitor	2