

**Dr. Duke's Phytochemical and Ethnobotanical Databases****Biological Activities found in *Salix alba***

<b>Activity</b>	<b>Chemical Count</b>
Pesticide	21
Antioxidant	19
Cancer-Preventive	17
Antibacterial	12
Antidiabetic	12
Hypotensive	11
Antiulcer	11
Antitumor	11
Hypocholesterolemic	11
Antiinflammatory	11
Antiarthritic	10
Antimutagenic	9
Immunostimulant	9
Antiviral	9
Aldose-Reductase-Inhibitor	9
Antiradicular	9
Vasodilator	9
Antiaggregant	9
Anticataract	8
Antihypertensive	8
Cardioprotective	8
Antispasmodic	8
Analgesic	8
AntiHIV	8
Antiosteoporotic	7
Antiatherosclerotic	7
Antihepatotoxic	7

Activity	Chemical Count
Hypoglycemic	7
Antirheumatic	7
Fungicide	7
Antileukemic	7
Antiherpetic	7
Diuretic	7
Antimetastatic	6
Antiallergic	6
Antidepressant	6
Antihistaminic	6
ACE-Inhibitor	6
Anxiolytic	6
Cyclooxygenase-Inhibitor	6
Hemostat	6
Antiobesity	6
Hepatoprotective	6
Antisyndrome-X	6
Immunomodulator	6
Xanthine-Oxidase-Inhibitor	5
Antifeedant	5
Antiacne	5
AntiPMS	5
Allelochemic	5
Antialzheimeran	5
Antiaging	5
Antinociceptive	5
Antiedemic	5

Activity	Chemical Count
Antialcoholic	5
Antifatigue	5
Antidementia	5
Apoptotic	5
AntiLyme	5
Antiasthmatic	5
Anticoronary	5
Antitumor (Lung)	5
COX-2-Inhibitor	5
Anticancer	5
Antiproliferant	5
Antistress	5
Antiperoxidant	5
Lipoxygenase-Inhibitor	5
NF-kB-Inhibitor	4
Antiepileptic	4
Antiseptic	4
Antiangiogenic	4
COX-1-Inhibitor	4
Prooxidant	4
Allergenic	4
Antiplateau	4
cAMP-Phosphodiesterase-Inhibitor	4
Antitumor (Breast)	4
Ornithine-Decarboxylase-Inhibitor	4
Chemopreventive	4
Antimigraine	4

Activity	Chemical Count
Antimelanomic	4
Insulinogenic	4
Antidermatitic	4
Antimaculitic	4
Antiarrhythmic	4
Antihangover	4
Antitumor-Promoter	4
Cytotoxic	4
Laxative	4
Antimenopausal	4
Topoisomerase-II-Inhibitor	4
Antineuralgic	4
Anticlimacteric	4
Antipyretic	3
Anticariogenic	3
Insectiphile	3
Anticanker	3
Myorelaxant	3
Antinitrosaminic	3
TNF-alpha-Inhibitor	3
Antiglaucomic	3
Antiperiodontitic	3
AntiRaynaud's	3
Antiparkinsonian	3
Protein-Kinase-C-Inhibitor	3
Antidecubitic	3
AntiCrohn's	3

Activity	Chemical Count
Antilithic	3
Carcinogenic	3
Metal-Chelator (Copper)	3
Anticolitic	3
Phagocytotic	3
Antigastritic	3
Anticervicaldysplastic	3
Antidote (Lead)	3
Antifibrotic	3
Antidiarrheic	3
Anticonvulsant	3
Antitumor (Colon)	3
Antiinsomniac	3
Beta-Adrenergic Receptor Blocker	3
NO-Inhibitor	3
Antidandruff	3
Angiotensin-Receptor-Blocker	3
Antilipoperoxidant	3
Antieczemic	3
Antipsoriac	3
Sedative	3
VEGF-Inhibitor	3
Neuroprotective	3
Mutagenic	3
Anticomplementary	3
Antitumor (Prostate)	3
AntiCFS	3

Activity	Chemical Count
Antiflu	2
Juvabional	2
Antitrypanosomic	2
PTK-Inhibitor	2
Collagenic	2
Antithyroid	2
Antihyperkinetic	2
AntiAGE	2
Immunosuppressant	2
Choleretic	2
Antipoliomyelitic	2
Antiencephalopathic	2
Mucogenic	2
Antiphotophobic	2
Antileptic	2
Pigment	2
Antinephritic	2
Beta-Blocker	2
Antigallstone	2
Larvostat	2
Antidote (Cadmium)	2
Radioprotective	2
NO-Synthase-Inhibitor	2
Astringent	2
Antimalarial	2
Inotropic	2
CNS-Depressant	2

Activity	Chemical Count
Catabolic	2
Tyrosinase-Inhibitor	2
Differentiator	2
Antivaricose	2
Antipodagric	2
Antineuropathic	2
Topoisomerase-I-Inhibitor	2
MAO-Inhibitor	2
Anticlastogen	2
Deiodinase-Inhibitor	2
Antipellagic	2
Antiinfertility	2
Antitriglyceride	2
Vulnerary	2
Insectifuge	2
Antiosteoarthritic	2
Antiaflatoxin	2
Antiprostaglandin	2
Antistroke	2
Antiencephalitic	2
Tranquilizer	2
Antileukotriene	2
Candidicide	2
Antitumor (Skin)	2
Antianginal	2
Antimyocarditic	2
Anticheilitic	2

Activity	Chemical Count
Antiperiodontal	2
Antidote (Aluminum)	2
Antiprostatic	2
Quinone-Reductase-Inducer	2
Estrogenic	2
Prostaglandin-Synthesis-Inhibitor	2
iNOS-Inhibitor	2
NADH-Oxidase-Inhibitor	2
Antiendometriotic	2
Antihepatic	2
Diaphoretic?	2
Capillariprotective	2
Anticold	2
Dermatitogenic	2
Antianorectic	2
Antiperistaltic	2
Beta-Glucuronidase-Inhibitor	2
Sunscreen	2
Anticephalagic	2
11B-HSD-Inhibitor	2
Glucosyl-Transferase-Inhibitor	2
Antiostrogenic	2
Uterorelaxant	2
Chelator	2
Antipodriac	2
Antielastase	2
Polyamine-Synthesis-Inhibitor	2



Activity	Chemical Count
Antianxiety	2
Aldehyde-Oxidase-Inhibitor	2
Calcium-Antagonist	2
Antiperiodic	2
Hepatomagenic	2
Antianemic	2
Spermigenic	1
Copper-Antagonist	1
Antipancreatitic	1
Antiichthyosic	1
Osteogenic	1
Antidiscotic	1
Fistula-Preventive	1
Bacteristat	1
Antiprostanoid	1
Antimeasles	1
Vasoconstrictor	1
Erythrocytogenic	1
Aromatase-Inhibitor	1
Antilymphomic	1
Prostaglandin-Sparer	1
Antiberiberi	1
Antisunburn	1
Antionychomycotic	1
Ulcerogenic	1
Anticystitic	1
Dye	1

Activity	Chemical Count
Antiviral?	1
Progestational	1
Hypouricemic	1
Antiatherogenic	1
Cardiotonic	1
Antispasmodic	1
Trichomonicide	1
Antihemorrhoidal	1
Anticorneotic	1
Diaphoretic	1
Androgenic?	1
Antiulcerogenic	1
Antilipolytic	1
Hypertensive	1
Antiarabiflavivotic	1
Capillarigenic	1
Antineurasthenic	1
AntiGTF	1
Memorigenic	1
Anticoeliac	1
Depressant	1
Antitumor (Stomach)	1
Antidysphagic	1
Calcium-Channel-Blocker	1
Antirhinitic	1
Teratologic	1
Litholytic	1

Activity	Chemical Count
Antichilblain	1
Cytoprotective	1
Antitumor (Gastric)	1
Antiinsomnic	1
Antidysenteric	1
Hepatotoxic	1
Antimitral-valve-prolapse	1
Stomachic	1
Antitumor (Bladder)	1
Antiimpotence	1
P21-Inducer	1
Gastroprotective	1
Antiprotozoal	1
AntiMeniere's	1
Antifibromyalgic	1
Interferon-Synergist	1
Anticarcinomic	1
Comedolytic	1
Antitic	1
Antiototic	1
Vasopressor	1
Antidermatotic	1
Estrogenic?	1
Antiescherichic	1
Antibradykinic	1
Antithiamin	1
Antiophidic	1

Activity	Chemical Count
Urinary-Acidulant	1
Antihydrophobic	1
NEP-Inhibitor	1
Encephalopathic	1
Antiacrodynic	1
Antiprolactin	1
Antiendotoxic	1
IKK-Inhibitor	1
Antistreptococcic	1
Musculotropic	1
Anorectic?	1
Antiartherosclerotic	1
Antisilicotic	1
Antiheartburn	1
Detoxicant	1
Antitussive	1
Antileukonychic	1
Plasmodicide	1
Antianorexic	1
Antiscorbatic	1
Antinesidioblastosic	1
Thermogenic	1
Antiglycosuric	1
Acidulant	1
Antitumor (Ovary)	1
Antipermeability	1
Antikeshan	1

Activity	Chemical Count
Antidyskinetic	1
HIV-RT-Inhibitor	1
Bradycardiac	1
Antiretinopathic	1
Sweetener	1
Leptogenic	1
5-HT-Inhibitor	1
P450-Inhibitor	1
Antianaphylactic	1
Antipurpuric	1
Antimenorrhagic	1
Serotonergic	1
Interleukin-6-Inhibitor	1
Anticardiospasmic	1
COMT-Inhibitor	1
Antiozenic	1
Antihypoglycemic	1
Fibrinolytic	1
Bactericide	1
Antimastitic	1
Psychotropic	1
Anticancer (Lung)	1
Cold-preventive	1
Antithrombogenic	1
Uterotrophic	1
Antihyperkeratotic	1
Neurotransmitter	1

Activity	Chemical Count
Ergogenic	1
Prostaglandigenic	1
Antienterotic	1
Ubiquiot	1
Antiherpetic?	1
Myoprotective	1
AntiCVI	1
DNA-Protective	1
Anthelmintic	1
Antipolio	1
AntiNF-kB	1
Antihemorrhagic	1
MMP-9-Inhibitor	1
Diagnostic	1
Antiplatelet	1
Poultice	1
Hyperglycemic	1
Antiapoplectic	1
Antiseborrheic	1
Antineuramidase	1
Tineacide	1
Antigout	1
Mast-Cell-Stabilizer	1
Anticoagulant	1
Deodorant	1
Antipharyngitic	1
Antileishmanic	1

Activity	Chemical Count
Phospholipase-Inhibitor	1
Antidyspeptic	1
Calcium-Antagonist?	1
Teratogenic	1
Antigingivitic	1
Lithogenic	1
Cytochrome-P450-1A2-Inhibitor	1
Absorbent	1
Peristaltic	1
Antidote (Paraquat)	1
Stimulant	1
Antifuruncular	1
Keratolytic	1
Anticarpal-Tunnel	1
Copper-Chelator	1
Antipapillomic	1
Antiichthyotic	1
Oviposition-Stimulant	1
Antialopepic	1
Antifertility	1
Anticapillary-Fragility	1
Colorant	1
Antithyrototoxic	1
Antiosteotic	1
Antihyperlipidemic	1
Asthma-preventive	1
Antierhythmic	1

Activity	Chemical Count
AntiBPH	1
Circulotonic	1
Antionychotic	1
Uricosuric	1
Emollient	1
Antiacrodermatitic	1
Antixerophthalmic	1
Antiporphyrin	1
Proliferant	1
ICAM-1-Inhibitor	1
Antiatheromic	1
Cardiotoxic	1
Antistomatitic	1
Antinitrosic	1
Tumorigenic	1
Mucolytic	1
Antivaginitic	1
Antipneumonic	1
Antishingles	1
Antineuritic	1
Tonic	1
Memory-Enhancer	1
Allelopathic	1
Antipityriasis	1
PKC-Inhibitor	1
Calmodulin-Antagonist	1
Antisclerodermic	1



Activity	Chemical Count
Antinephrolytic	1
Testosteronigenic	1
Antiglossitic	1
MAO-A-Inhibitor	1
Anticirrhotic	1
Acetylcholinergic	1
Antikeratitic	1
PGE2-Inhibitor	1
Antidysgeuzic	1
HIF-1alpha-Inhibitor	1
Antirenitic	1
AntiMS	1
Antigastric	1
Antitumor (brain)	1
Antiparotitic	1
Antiinfective	1
P450-Inducer	1
Antidote (Iodine)	1
Antiamblyopic	1
Antifibrosarcomic	1
Interferonogenic	1
Anticarcinomic (Breast)	1
COMP-Inhibitor	1
Antitinnitic	1
Antihypnotic	1
Nodulation-Signal	1
Expectorant	1

Activity	Chemical Count
Antiakathisic	1
ATPase-Inhibitor	1
Antimastalgic	1
Protisticide	1
Insecticide	1
CNS-Stimulant	1
Antithrombic	1
Antiorchitic	1
Antihyperactivity	1
Antideliriant	1
Energizer	1
AntiADD	1
AP-1-Inhibitor	1
Antilupus	1
Propecic	1
Antienteritic	1
Antibackache	1
Antinyctalopic	1
Tyrosine-Kinase-Inhibitor	1
AntiCTS	1
Anorexic	1
Antivertigo	1
Hypolipidemic	1
Cardiomyopathogenic	1
Antispare-Tire	1
Antineurotic	1
Antihematuric	1

Activity	Chemical Count
Metalloproteinase-Inhibitor	1
Detoxicant (Alcohol)	1
Amphiglycemic?	1
Antitympanic	1
Antiplasmodial	1
Antileukoplakic	1
Hyaluronidase-Inhibitor	1
Antiscotomic	1
Thymoprotective	1
Antigonadotropic	1
MAPK-Inhibitor	1
Demulcent	1
Antiketotic	1
Phosphodiesterase-Inhibitor	1
Antidysmenorrhic	1
Antiretinotic	1
Antimyalgic	1
Taenicide	1
Antigastrotic	1
Cytochrome-P450-1A1-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Antitumor (CNS)	1
PAF-Inhibitor	1
Antidote (Mercury)	1