

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

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Absorbent	1
ACE-Inhibitor	6
Acetylcholinergic	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	9
Allelochemic	5
Allelopathic	1
Allergenic	4
Amphiglycemic?	1
Analgesic	8
Androgenic?	1
Angiotensin-Receptor-Blocker	3
Anorectic?	1
Anorexic	1
Anthelmintic	1
Antiacne	5
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	9
Antiaging	5

Activity	Chemical Count
Antiakathisic	1
Antialcoholic	5
Antiallergic	6
Antialopepic	1
Antialzheimeran	5
Antiamblyopic	1
Antianaphylactic	1
Antianemic	2
Antianginal	2
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiapoplectic	1
Antiarabiflavivotic	1
Antiarrhythmic	4
Antiarteriosclerotic	1
Antiarthritic	10
Antiasthmatic	5
Antiatherogenic	1
Antiatheromic	1
Antiatherosclerotic	7
Antibackache	1
Antibacterial	12
Antiberiberi	1
AntiBPH	1
Antibradykinic	1

Activity	Chemical Count
Anticancer	5
Anticancer (Lung)	1
Anticanker	3
Anticapillary-Fragility	1
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	3
Anticarpal-Tunnel	1
Anticataract	8
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticirrhotic	1
Anticlastogen	2
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	3
Anticonvulsant	3
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3

Activity	Chemical Count
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	3
Antidecubitic	3
Antideliriant	1
Antidementia	5
Antidepressant	6
Antidermatitic	4
Antidermatotic	1
Antidiabetic	12
Antidiarrheic	3
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Iodine)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrhic	1
Antidyspeptic	1
Antidysphagic	1
Antieczemic	3
Antiedemic	5

Activity	Chemical Count
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterotic	1
Antiepileptic	4
Antierythemic	1
Antiescherichic	1
Antiestrogenic	2
Antifatigue	5
Antifeedant	5
Antifertility	1
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	2
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	3
Antigastrotic	1
Antigingivitic	1
Antiglaucomic	3
Antiglossitic	1
Antiglycosuric	1

Activity	Chemical Count
Antigonadotropic	1
Antigout	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihematuric	1
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	2
Antihepatotoxic	7
Antiherpetic	7
Antiherpetic?	1
Antihistaminic	6
AntiHIV	8
Antihydrophobic	1
Antihyperactivity	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipidemic	1
Antihypertensive	8
Antihypnotic	1
Antihypoglycemic	1
Antiichthyosic	1
Antiichthyotic	1
Antiimpotence	1
Antiinfective	1
Antiinfertility	2

Activity	Chemical Count
Antiinflammatory	11
Antiinsomniac	3
Antiinsomnic	1
Antikeratitic	1
Antikeshan	1
Antiketotic	1
Antileishmanic	1
Antileptic	2
Antileukemic	7
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	2
Antilipolytic	1
Antilipoperoxidant	3
Antilithic	3
Antilupus	1
AntiLyme	5
Antilymphomic	1
Antimaculitic	4
Antimalarial	2
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanomic	4
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	1

Activity	Chemical Count
Antimetastatic	6
Antimigraine	4
Antimitral-valve-prolapse	1
AntiMS	1
Antimutagenic	9
Antimyalgic	1
Antimyocarditic	2
Antinephritic	2
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	2
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	3
Antinitrosic	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	6
Antioncychomycotic	1
Antionychyotic	1
Antiophidic	1
Antiorchitic	1
Antiosteoarthritic	2

Activity	Chemical Count
Antiosteoporotic	7
Antiosteotic	1
Antiototic	1
Antioxidant	19
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	2
Antiperiodic	2
Antiperiodontal	2
Antiperiodontitic	3
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	5
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplaque	4
Antiplasmodial	1
Antiplatelet	1
AntiPMS	5
Antipneumonic	1
Antipodagric	2
Antipodriac	2
Antipolio	1

Activity	Chemical Count
Antipoliomyelitic	2
Antiporphyric	1
Antiprolactin	1
Antiproliferant	5
Antiprostaglandin	2
Antiprostanoid	1
Antiprostatic	2
Antiprotozoal	1
Antipsoriac	3
Antipurpuric	1
Antipyretic	3
Antiradicular	9
AntiRaynaud's	3
Antirenitic	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatic	7
Antirhinitic	1
Antisclerodermic	1
Antiscorbatic	1
Antiscotomic	1
Antiseborrheic	1
Antiseptic	4
Antishingles	1
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	8

Activity	Chemical Count
Antispasmodic	1
Antistomatitic	1
Antistreptococcal	1
Antistress	5
Antistroke	2
Antisunburn	1
Antisyndrome-X	6
Antithiamin	1
Antithrombic	1
Antithrombogenic	1
Antithyroid	2
Antithyrototoxic	1
Antitoxic	1
Antitinnitic	1
Antitriglyceride	2
Antitrypanosomic	2
Antitumor	11
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (CNS)	1
Antitumor (Colon)	3
Antitumor (Gastric)	1
Antitumor (Lung)	5
Antitumor (Ovary)	1
Antitumor (Prostate)	3
Antitumor (Skin)	2

Activity	Chemical Count
Antitumor (Stomach)	1
Antitumor-Promoter	4
Antitussive	1
Antitympanic	1
Antiulcer	11
Antiulcerogenic	1
Antivaginitic	1
Antivaricose	2
Antivertigo	1
Antiviral	9
Antiviral?	1
Antixerophthalmic	1
Anxiolytic	6
AP-1-Inhibitor	1
Apoptotic	5
Aromatase-Inhibitor	1
Asthma-preventive	1
Astringent	2
ATPase-Inhibitor	1
Bactericide	1
Bacteristat	1
Beta-Adrenergic Receptor Blocker	3
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Calcium-Antagonist	2
Calcium-Antagonist?	1

Activity	Chemical Count
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	4
Cancer-Preventive	17
Candidicide	2
Capillarigenic	1
Capillariprotective	2
Carcinogenic	3
Cardiomyopathogenic	1
Cardioprotective	8
Cardiotonic	1
Cardiotoxic	1
Catabolic	2
Chelator	2
Chemopreventive	4
Choleretic	2
Circulotonic	1
CNS-Depressant	2
CNS-Stimulant	1
Cold-preventive	1
Collagenic	2
Colorant	1
Comedolytic	1
COMP-Inhibitor	1
COMT-Inhibitor	1
Copper-Antagonist	1
Copper-Chelator	1

Activity	Chemical Count
COX-1-Inhibitor	4
COX-2-Inhibitor	5
Cyclooxygenase-Inhibitor	6
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	4
Deiodinase-Inhibitor	2
Demulcent	1
Deodorant	1
Depressant	1
Dermatitigenic	2
Detoxicant	1
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic	1
Diaphoretic?	2
Differentiator	2
Diuretic	7
DNA-Protective	1
Dye	1
Emollient	1
Encephalopathic	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Estrogenic	2

Activity	Chemical Count
Estrogenic?	1
Expectorant	1
Fibrinolytic	1
Fistula-Preventive	1
Fungicide	7
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	2
Hemostat	6
Hepatomagenic	2
Hepatoprotective	6
Hepatotoxic	1
HIF-1alpha-Inhibitor	1
HIV-RT-Inhibitor	1
Hyaluronidase-Inhibitor	1
Hyperglycemic	1
Hypertensive	1
Hypocholesterolemic	11
Hypoglycemic	7
Hypolipidemic	1
Hypotensive	11
Hypouricemic	1
ICAM-1-Inhibitor	1
IKK-Inhibitor	1
Immunomodulator	6
Immunostimulant	9
Immunosuppressant	2
iNOS-Inhibitor	2

Activity	Chemical Count
Inotropic	2
Insecticide	1
Insectifuge	2
Insectiphile	3
Insulinogenic	4
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	1
Juvabional	2
Keratolytic	1
Larvostat	2
Laxative	4
Leptogenic	1
Lipoxygenase-Inhibitor	5
Lithogenic	1
Litholytic	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator (Copper)	3
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	1
Mucogenic	2
Mucolytic	1

Activity	Chemical Count
Musculotropic	1
Mutagenic	3
Myoprotective	1
Myorelaxant	3
NADH-Oxidase-Inhibitor	2
NEP-Inhibitor	1
Neuroprotective	3
Neurotransmitter	1
NF-kB-Inhibitor	4
NO-Inhibitor	3
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Ornithine-Decarboxylase-Inhibitor	4
Osteogenic	1
Oviposition-Stimulant	1
P21-Inducer	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	1
Peristaltic	1
Pesticide	21
PGE2-Inhibitor	1
Phagocytotic	3
Phosphodiesterase-Inhibitor	1
Phospholipase-Inhibitor	1
Pigment	2
PKC-Inhibitor	1

Activity	Chemical Count
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	2
Poultice	1
Progestational	1
Proliferant	1
Prooxidant	4
Propepic	1
Prostaglandigenic	1
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Protein-Kinase-C-Inhibitor	3
Protisticide	1
Psychotropic	1
PTK-Inhibitor	2
Quinone-Reductase-Inducer	2
Radioprotective	2
Sedative	3
Serotoninergic	1
Spermigenic	1
Stimulant	1
Stomachic	1
Sunscreen	2
Sweetener	1
Taenicide	1
Teratogenic	1
Teratologic	1
Testosteronigenic	1

Activity	Chemical Count
Thermogenic	1
Thymoprotective	1
Tineacide	1
TNF-alpha-Inhibitor	3
Tonic	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	4
Tranquilizer	2
Trichomonicide	1
Tumorigenic	1
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	1
Ulcerogenic	1
Uricosuric	1
Urinary-Acidulant	1
Uterorelaxant	2
Uterotrophic	1
Vasoconstrictor	1
Vasodilator	9
Vasopressor	1
VEGF-Inhibitor	3
Vulnerary	2
Xanthine-Oxidase-Inhibitor	5