

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Ephedra sinica***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acaricide	4
ACE-Inhibitor	8
AChE-Inhibitor	2
Acidulant	2
Adrenergic	2
Aldose-Reductase-Inhibitor	8
Allelochemic	4
Allelopathic	3
Allergenic	12
Amphetaminagenic	1
Amphiglycemic?	1
Analeptic	1
Analgesic	7
Androgenic?	1
Anesthetic	9

Activity	Chemical Count
Angiotensin-Receptor-Blocker	3
Anhydrotic	1
Anorectic	1
Anorexic	2
Antiacetylcholinesterase	5
Antiacne	9
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	1
Antiadenovirus	1
Antiaflatoxin	3
AntiAGE	2
Antiaggregant	12
Antiaging	4
Antiakathisic	1
Antialcoholic	4
Antiallergenic	1
Antiallergic	7
Antialopepic	1

Activity	Chemical Count
Antialzheimeran	4
Antialzheimeran?	2
Antiamblyopic	1
Antiamebic	1
Antianaphylactic	4
Antianemic	2
Antianginal	3
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiappetant	1
Antiarabiflavinotic	1
Antiarachidonate	4
Antiarrhythmic	4
Antiarteriosclerotic	1
Antiarthritic	7
Antiasthmatic	11
Antiatherosclerotic	6
Antibackache	1

Activity	Chemical Count
Antibacterial	25
Antiberiberi	1
AntiBPH	1
Antibronchitic	3
Anticancer	6
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Esophagus)	1
Anticancer (Lung)	1
Anticancer (Mouth)	1
Anticanker	3
Anticarcinogenic	1
Anticarcinomic	2
Anticardiospasmic	1
Anticaries	1
Anticariogenic	6
Anticarpal-Tunnel	1
Anticataract	7
Anticephalagic	2
Anticervicaldysplasic	3

Activity	Chemical Count
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholinergic	1
Anticholinesterase	2
Anticirrhotic	1
Anticlimacteric	4
Anticoeliac	1
Anticold	3
Anticolitic	2
Anticomplementary	1
Anticonvulsant	6
Anticorneotic	1
Anticoronary	4
AntiCrohn's	2
AntiCTS	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	4

Activity	Chemical Count
Antidepressant	7
Antidermatitic	2
Antidiabetic	8
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidote (Strychnine)	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrheic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	2
Antiedemic	5
Antiembolic	1
Antiemphysemic	1

Activity	Chemical Count
Antiencephalitic	1
Antiencephalopathic	2
Antiendometriotic	2
Antienterotic	1
Antienuretic	1
Antiepileptic	5
Antiescherichic	1
Antiesophagitic	1
Antiestrogenic	2
Antifatigue	5
Antifeedant	4
Antifertility	1
Antifibrinolytic	1
Antifibromyalgic	1
Antifibrotic	3
Antiflu	2
Antifuruncular	1
Antigallstone	1
Antigastritic	2
Antigastrotic	1

Activity	Chemical Count
Antigenotoxic	1
Antigiardial	1
Antigingivitic	3
Antiglaucomic	2
Antiglossitic	1
Antiglycosuric	1
Antigout	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihemorrhagic	1
Antihepatitic	2
Antihepatotoxic	2
Antiherpetic	7
Antiherpetic?	1
Antihiccup	1
Antihistaminic	9
AntiHIV	6
Antihyperactivity	1
Antihyperglycemic	1

Activity	Chemical Count
Antihyperkeratotic	1
Antihyperkinetic	2
Antihypertensive	7
Antihyperthyroid	1
Antihypoglycemic	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiinfective	1
Antiinfertility	2
Antiinflammatory	17
Antiinsomniac	3
Antiinsomnic	1
Antiischemic	1
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
Antileishmanic	1
Antileptic	2
Antileukemic	5

Activity	Chemical Count
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	2
Antilipoperoxidant	2
Antilithic	3
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	4
Antimalarial	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	1
Antimetastatic	4
Antimetastatic (Stomach)	1

Activity	Chemical Count
Antimigraine	4
Antimitotic	1
Antimitral-valve-prolapse	1
AntiMRSA	1
AntiMS	1
Antimutagenic	16
Antimyalgic	1
Antimyasthenic	1
Antimyocarditic	1
Antinarcoleptic	1
Antinephrolytic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	2
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	3
Antinitrosating	1

Activity	Chemical Count
Antinitrosic	1
Antinociceptive	1
Antinyctalopic	1
Antiobesity	6
Antionychyotic	1
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	8
Antiosteosclerotic	1
Antiotitic	2
Antiototic	1
Antioxidant	18
Antiozenic	1
Antipapillomic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	2
Antipeptic	1
Antiperiodontic	2
Antiperiodontitic	4

Activity	Chemical Count
Antiperistaltic	2
Antiperoxidant	3
Antiphotophobic	2
Antipityriasic	1
Antiplateque	4
Antiplasmodial	1
AntiPMS	4
Antipneumonic	1
Antipodriac	1
Antipolio	1
Antipoliomyelitic	2
Antiporphyrin	1
Antiprolactin	1
Antiproliferant	4
Antiprostaglandin	1
Antiprostatic	1
Antiproteolytic	1
Antipruritic	1
Antipsoriac	1
Antipyretic	4

Activity	Chemical Count
Antiradicular	8
AntiRaynaud's	3
Antiretinopathic	1
Antiretinotic	1
Antirheumatic	5
Antirhinitic	2
Antisalmonella	4
Antiscorbutic	1
Antiscotomic	1
Antiseptic	19
Antiserotonic	1
Antiserotonin	1
Antishingles	1
Antisilicotic	1
Antisinusitic	1
Antispasmodic	15
Antispasmophilic	1
Antistaphylococcic	4
Antistomatitic	1

Activity	Chemical Count
Antistreptococcic	4
Antistress	7
Antistroke	2
Antisyncope	1
Antisyndrome-X	6
Antithrombotic	1
Antithromboxane	1
Antithyroid	2
Antitic	1
Antitinnitic	1
AntiTNF	1
Antitriglyceride	2
Antitumor	13
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (CNS)	1
Antitumor (Colon)	2
Antitumor (Gastric)	1
Antitumor (Lung)	4
Antitumor (Pancreas)	1

Activity	Chemical Count
Antitumor (Prostate)	3
Antitumor (Skin)	1
Antitumor (Stomach)	2
Antitumor-Promoter	2
Antitussive	2
Antiulcer	7
Antiulcerogenic	1
Antivaginitic	2
Antivertigo	1
Antiviral	10
Antiviral?	1
Antixerophthalmic	1
Antiyeast	2
Anxiolytic	6
AP-1-Inhibitor	1
Apifuge	1
Apoptotic	7
Aromatase-Inhibitor	2
Arrhythmigenic	1
Arteriodilator	1

Activity	Chemical Count
Asthma-preventive	1
Astringent	3
Avifuge	1
Bacteriostatic	1
Bacteristat	1
Beta-Adrenergic Receptor Blocker	3
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bronchodilator	4
Bronchoprotectant	1
Bronchorelaxant	1
Calcium-Antagonist	7
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	19
Candida-SAP-Inhibitor	1
Candidicide	7
Candidistat	1
Carcinogenic	4

Activity	Chemical Count
Carcinogenic?	1
Cardiac	1
Cardiomyopathogenic	1
Cardioprotective	8
Cardiotonic	4
Cardiotoxic	1
Cardiovascular	1
Carminative	4
Catabolic	1
Cerebrostimulant	1
Cerebrotoxic	1
Chemopreventive	3
Choleretic	5
Cholesterolytic	1
Choline-Sparing	1
Cicatrizant	1
Circulotonic	1
CNS-Depressant	7
CNS-Paralytic	1
CNS-Stimulant	3

Activity	Chemical Count
Cold-preventive	1
Collagenic	2
Colorant	1
COMP-Inhibitor	2
Controlled	3
Copper-Antagonist	1
Copper-Chelator	1
COX-1-Inhibitor	3
COX-2-Inhibitor	4
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-Inducer	3
Cytochrome-P450-Inhibitor	1
Cytochrome-P488-Inducer	1
Cytotoxic	6
Decongestant	3
Deiodinase-Inhibitor	2
Deodorant	1
Depressant	1
Dermatitigenic	2

Activity	Chemical Count
Detoxicant	3
Detoxicant (Alcohol)	1
Diaphoretic?	1
Differentiator	1
Diuretic	12
DNA-Binder	2
DNA-Protective	1
Encephalopathic	2
Energizer	1
Enterocontractant	1
Enterorelaxant	1
Ergogenic	1
Erythrocytogenic	1
Estrogenic	3
Expectorant	4
Fatal	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	19
Floral-Inhibitor	1

Activity	Chemical Count
Fungicide	16
Fungiphilic	1
Fungistat	2
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	1
Glutathionalytic	1
Gram(+)-icide	1
Gram(-)-icide	1
GST-Inducer	1
Hallucinogenic	4
Hemostat	1
Hemostatic	2
Hepatocarcinogenic	1
Hepatoprotective	6
Hepatoregenerative	1
Hepatotoxic	5
Herbicide	6
Herbistat	1
HIF-1alpha-Inhibitor	1
Histaminic	1

Activity	Chemical Count
Histidine-Decarboxylase-Inhibitor	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	1
Hypertensive	5
Hypnotic	2
Hypocalcemic	1
Hypocholesterolemic	8
Hypoglycemic	5
Hypolipidemic	1
Hypotensive	14
Hypothermic	2
Hypotriglyceridemic	1
Hypouricemic	1
ICAM-1-Inhibitor	2
IKK-Inhibitor	1
Immunomodulator	7
Immunostimulant	8
Immunosuppressant	2
iNOS-Inhibitor	2
Inotropic	2

Activity	Chemical Count
Insecticide	12
Insecticide-Synergist	1
Insectifuge	12
Insulin-Sparing	1
Insulinogenic	4
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	3
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	10
JNK-Inhibitor	1
Juvabional	2
Keratitigenic	1
Larvicide	4
Laxative	3
Leptingenic	1
Lipolytic	1
Lipoxygenase-1-Inhibitor	1
Lipoxygenase-Inhibitor	3
Lithogenic	1

Activity	Chemical Count
Litholytic	1
MAO-Inhibitor	3
MAPK-Inhibitor	1
Memorigenic	1
Mosquitofuge	1
Motor-Depressant	3
Mucogenic	2
Mucolytic	2
Mucotropic	1
Musculotropic	1
Mutagenic	3
Mydriatic	2
Myocardiotonic	1
Myorelaxant	7
NADH-Oxidase-Inhibitor	1
Narcotic	4
Natriuretic	1
Nematicide	11
Nephrotoxic	2
Neurolytic	1

Activity	Chemical Count
Neuroprotective	3
Neurotoxic	5
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Nodulation-Signal	1
Ornithine-Decarboxylase-Inhibitor	3
Osteogenic	1
Osteolytic	1
Oxytocic	1
Ozone-Scavenger	1
P21-Inducer	1
P450-2B1-Inhibitor	2
P450-Inducer	3
PAF-Inhibitor	1
Pancreatogenic	1
Paralytic	1
Parasiticide	1

Activity	Chemical Count
Pediculicide	1
Perfumery	14
Peristaltic	1
Peroxynitrite-Scavenger	1
Pesticide	43
Phagocytotic	1
Photosensitizer	1
Phytoalexin	1
Pigment	1
PKC-Inhibitor	1
Polyamine-Synthesis-Inhibitor	2
Pressor	1
Progestational	1
Prooxidant	2
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	1
Protein-Kinase-C-Inhibitor	2
Protisticide	3
Psychoactive	2
Psychostimulant	1

Activity	Chemical Count
PTK-Inhibitor	1
Pulifuge	1
Pulmonotoxic	1
Quinone-Reductase-Inducer	3
Radioprotective	1
Renoirritant	1
Renotoxic	1
Respirastimulant	1
Respirotoxic	1
Reverse-Transcriptase-Inhibitor	1
Rodenticide	1
Rubefacient	1
Schistosomicide	2
Sclerosant	1
Sedative	10
Serotoninerpic	2
Spasmogenic	1
Spermicide	2
Spermigenic	1
Stimulant	2

Activity	Chemical Count
Styptic	1
Sunscreen	2
Surfactant	1
Sympathomimetic	4
Tachycardic	4
Taenicide	1
Teratogenic	1
Teratologic	1
Termiticide	3
Testosterone-Inducer	1
Testosteronigenic	1
Thermogenic	2
Thymoprotective	1
TNF-alpha-Inhibitor	2
Topoisomerase-I-Antagonist	1
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	2
Tracheorelaxant	2
Tranquilizer	2
Transdermal	2

Activity	Chemical Count
Tremorigenic	1
Tremorilytic	1
Trichomonicide	4
Trichomonistat	1
Trypsin-Enhancer	1
Tyrosinase-Inhibitor	4
Ubiquiot	1
Ulcerogenic	3
Uricosuric	2
Urinary-Acidulant	1
Uterocontractant	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Uterotrophic	2
Varroacide	2
Vasoconstrictor	3
Vasodilator	11
VEGF-Inhibitor	2
Vermifuge	1

Activity	Chemical Count
Verrucolytic	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	5