

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Aesculus hippocastanum***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	5
Absorbent	1
Acaricide	1
ACE-Inhibitor	7
Acetylcholinergic	1
AChE-Inhibitor	1
Acidulant	2
ACTH-genic	1
Aggregant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	13
Allelochemic	9
Allelopathic	1
Allergenic	8
Alpha-Amylase-Inhibitor	1

Activity	Chemical Count
Alpha-Reductase-Inhibitor	1
Anabolic	1
Analgesic	9
Androgenic	2
Anemiagenic	1
Anesthetic	2
Angiogenic	1
Angiotensin-Receptor-Blocker	1
Anorexic	1
Anthelmintic	2
Antiacetylcholinesterase	1
Antiacne	2
Antiacrocyanotic	1
Antiadenomic	2
Antiadrenergic	1
Antiaflatoxin	3
AntiAGE	1
Antiaggregant	9
Antiaging	4
Antiallergenic	1

Activity	Chemical Count
Antiallergic	5
Antiallopecic	5
Antialzheimeran	3
Antialzheimeran?	1
Antianaphylactic	5
Antiandrogenic	4
Antianemic	1
Antianeurysm	1
Antiangiogenic	1
Antiaphthic	1
Antiapoplectic	1
Antiarrhythmic	5
Antiarteriosclerotic	2
Antiartritic	6
Antiasthmatic	7
Antiasthmatic?	2
Antiatherogenic	2
Antiatherosclerotic	4
Antibacterial	28
Antibiotic	1

Activity	Chemical Count
Antibradykinic	2
Antibronchitic	2
Antibronchoconstrictor	1
Anticalculic	1
Anticancer	7
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Liver)	1
Anticancer (Lung)	2
Anticancer (Pancreas)	1
Anticancer (Skin)	1
Anticapillarihemorrhagic	2
Anticapillary-Fragility	16
Anticarcinomic (Breast)	1
Anticariogenic	3
Anticataract	4
Anticellulitic	2
Anticephalagic	1
Anticervicaldysplasic	1
Anticervicobrachialgic	1

Activity	Chemical Count
AntiCFS	1
Anticholinergic	2
Antichoreic	1
Anticirrhotic	1
Anticlastogen	1
Anticlimacteric	1
Anticoagulant	2
Anticold	1
Anticolitic	1
Anticomplementary	3
Anticonvulsant	1
Anticoronary	1
AntiCrohn's	2
AntiCTS	1
AntiCVI	1
AntiCVS	2
Anticystinuric	1
Anticystitic	1
Antidandruff	1
Antidecubitic	1

Activity	Chemical Count
Antidementia	3
Antidepressant	2
Antidermatitic	5
Antidiabetic	7
Antidiarrheic	1
Antidiuretic	1
Antidote (Aluminum)	1
Antidote (Cadmium)	1
Antidote (Camphor)	1
Antidote (Iodine)	1
Antidote (Lead)	1
Antidote (Morphine)	1
Antidote (Paraquat)	1
Antidysenteric	4
Antidyskinetic	1
AntiEBV	2
Antieclamptic	2
Antieczemic	2
Antiedemic	11
Antielastase	3

Activity	Chemical Count
Antiencaphalitic	1
Antiencephalitic	2
Antiendometriotic	1
Antiendotoxic	1
Antienzymatic	1
Antiepiglottitic	2
Antierythemic	5
Antiescherichic	3
Antiesophagitic	1
Antiestrogenic	2
Antiexudative	3
Antifatigue	1
Antifeedant	10
Antifertility	2
Antifibrinolytic	2
Antifibrosarcomic	1
Antifibrotic	1
Antiflu	7
Antifracture	1
Antigallstone	1

Activity	Chemical Count
Antigastric	2
Antigastritic	2
Antigastrotic	1
Antigingivitic	6
Antiglaucomic	2
Antiglucuronidase	1
Antigonadotrophic	2
Antigonadotropic	1
Antigranular	1
Antigranulocytopenic	1
AntiGTF	1
Antihangover	1
Antihematomic	1
Antihematuric	1
Antihemorrhagic	2
Antihemorrhoidal	6
Antihepatitic	3
Antihepatomic	1
Antihepatotoxic	9
Antiherpetic	7

Activity	Chemical Count
Antihiccup	1
Antihistaminic	12
AntiHIV	8
Antihomocysteine	1
Antihydrathritic	1
Antihydrophobic	1
Antihyperglycemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	5
Antiimplantation	1
Antiinfertility	1
Antiinflammatory	35
Antiinsomniac	1
Antiketotic	1
Antileishmanic	2
Antileptic	1
Antileukemic	6
Antileukotriene	2
Antileukotriene-D4	2
Antileukotrienogenic	1

Activity	Chemical Count
Antilipolytic	2
Antilipoperoxidant	3
Antilithic	2
Antilithic?	1
AntiLyme	1
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	1
Antimalarial	2
Antimanic	1
Antimeasles	1
Antimelanomic	3
Antimeningitic	1
Antimenopausal	1
Antimenorrhagic	1
Antimetastatic	2
Antimetastatic (Stomach)	1
Antimigraine	1
AntiMS	2
Antimutagenic	18

Activity	Chemical Count
Antimyocarditic	1
Antineoplastic	1
Antinephritic	3
Antinesidioblastosic	1
Antineuramidase	1
Antinitrosaminic	1
Antinitrosic	1
Antinociceptive	6
Antiobesity	3
Antiophidic	3
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	1
Antiosteoporotic	1
Antiotitic	1
Antioxidant	34
Antioxidant Synergist	1
Antipancreatitic	1
Antipanniculopathic	2
Antiparkinsonian	1

Activity	Chemical Count
Antiparotitic	1
Antipeptic	2
Antiperiodontal	1
Antiperiodontic	5
Antiperiodontitic	1
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	6
Antipharyngitic	1
Antiphlebitic	2
Antiplatelet	4
Antiplasmodial	1
Antiplatelet	1
Antipleuritic	2
AntiPMS	1
Antipneumonic	2
Antipodriac	2
Antipolio	1
Antipoliomyelitic	1
Antiprogestational	1

Activity	Chemical Count
Antiproliferant	4
Antiprostaglandin	3
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatitic	4
Antiprostatotic	1
Antiproteolytic	1
Antiprotozoal	1
Antipsoriac	2
Antipurpuric	2
Antipyretic	8
Antiradicular	9
Antiraucedo	2
AntiRaynaud's	2
Antirenitic	1
Antiretinotic	1
Antirheumatic	2
Antirhinitic	3
Antisalmonella	2
Antiscorbutic	1

Activity	Chemical Count
Antiseborrheic	3
Antisecretory	1
Antiseptic	15
Antiserotonin	1
Antishingles	1
Antispasmodic	14
Antistaphylococcic	5
Antisteatotic	1
Antistreptococcic	1
Antistress	1
Antisunburn	1
Antisyndrome-X	1
Antitachycardic	1
Antithiamin	1
Antithrombic	1
Antithrombogenic	2
Antithrombotic	2
Antithyroid	1
Antitonsilitic	2
Antitrypanosomic	2

Activity	Chemical Count
Antitubercular	2
Antitumor	13
Antitumor (Bladder)	1
Antitumor (Breast)	3
Antitumor (Cervix)	1
Antitumor (Colon)	2
Antitumor (Gastric)	1
Antitumor (Lung)	4
Antitumor (Ovary)	2
Antitumor (Pancreas)	2
Antitumor (Prostate)	1
Antitumor (Skin)	1
Antitumor (Stomach)	1
Antitumor-Promoter	5
Antiulcer	13
Antiuremic	1
Antivaginitic	1
Antivaricose	4
Antivasculitic	1
Antivertiginous	1

Activity	Chemical Count
Antiviral	25
Anxiolytic	1
Apoptotic	8
Aromatase-Inhibitor	1
Artemicide	2
Arteriodilator	1
Ascaricide	1
Asthma-preventive	1
Atherogenic	1
ATPase-Inhibitor	1
Bacteristat	3
Beta-Adrenergic Receptor Blocker	6
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchoprotectant	1
Bronchorelaxant	2
Calcium-Antagonist	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	4
Cancer-Preventive	27

Activity	Chemical Count
Cancerostatic	2
Candidicide	7
Candidistat	3
Capillarigenic	1
Capillariprotective	3
Capillaritonic	1
Carcinogenic	4
Cardiodepressant	3
Cardioprotective	1
Cardiotonic	6
Caspase-8-Inducer	1
Catabolic	2
Cerebrotonic	1
Chelator	1
Chemopreventive	2
Cholagogue	1
Choleretic	11
Cholesterolytic	1
Choline-Sparing	2
Cholinergic	1

Activity	Chemical Count
CNS-Depressant	3
CNS-Stimulant	3
Cold-preventive	1
Coleoptophile	1
Collagenic	1
Collyrium	1
Colorant	1
Comedolytic	1
COMP-Inhibitor	2
COMT-Inhibitor	2
Copper-Chelator	2
Corticomimetic	2
Corticosterogenic	2
Corticosterone-genic	1
Cosmetic	6
COX-1-Inhibitor	2
COX-2-Inhibitor	4
Cyclooxygenase-Activator	1
Cyclooxygenase-Inhibitor	4
Cytochrome-P450-1A2-Inhibitor	1

Activity	Chemical Count
Cytoprotective	1
Cytotoxic	7
Deiodinase-Inhibitor	1
Demulcent	1
Dermatitigenic	4
Detoxicant	4
Diagnostic	1
Diaphoretic	1
Diaphoretic?	2
Differentiator	1
Disinfectant	1
Diuretic	13
Dye	2
Embryotoxic	1
Emetic	1
Emollient	1
Enterocontractant	1
Essential	2
Estrogenic	4
Estrogenic?	1

Activity	Chemical Count
Expectorant	6
Febrifuge	1
Fistula-Preventive	1
Flatugenic	2
FLavor	11
Fungicide	9
Fungiphilic	1
Fungistat	1
Gastroprotective	1
Glucogonogenic	1
Glucosyl-Transferase-Inhibitor	2
Gonadotrophic	1
GST-Inducer	1
Hemolytic	4
Hemostat	5
Hepatomagenic	2
Hepatoprotective	13
Hepatotonic	1
Hepatotropic	1
Herbicide	5

Activity	Chemical Count
Histaminic	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	3
Hypercholesterolemic	4
Hyperglycemic	2
Hypertensive	4
Hyperuricemic	1
Hypocholesterolemic	12
Hypocholesterolemic?	1
Hypoglycemic	9
Hypolipidemic	1
Hypotensive	9
ICAM-1-Inhibitor	1
Ileorelaxant	1
Immunomodulator	7
Immunostimulant	7
Immunosuppressant	1
iNOS-Inhibitor	2
Inotropic	2
Insecticide	4

Activity	Chemical Count
Insectifuge	9
Insectiphile	5
Insulinic	1
Insulinogenic	3
Interferonogenic	1
Interleukin-1-alpha-Inhibitor	1
Interleukin-6-Inhibitor	1
Interleukin-6-mRNA-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	5
JNK-Inhibitor	1
Juvabional	2
Keratitigenic	1
Keratolytic	1
Larvicide	1
Larvostat	3
Laxative	1
Laxative?	1
Lipolytic	3
Lipotropic	1

Activity	Chemical Count
Lipoxygenase-1-Inhibitor	1
Lipoxygenase-Inhibitor	12
Lithogenic	2
Litholytic	1
Lubricant	3
Lymphagogue	2
MAO-A-Inhibitor	2
MAO-Inhibitor	5
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator (Copper)	2
Metalloproteinase-Inhibitor	1
Metastatic	1
Microvasculokinetic	2
MMP-9-Inhibitor	1
Mosquitocide	1
Motor-Depressant	1
Mucolytic	2
Musculotropic	3

Activity	Chemical Count
Mutagenic	4
Mycobactericide	2
Myocardiotoxic	1
Myoprotective	1
Myorelaxant	6
NADH-Oxidase-Inhibitor	1
Narcotic	1
Natriuretic	3
Nematicide	6
NEP-Inhibitor	1
Nephrotoxic	2
Neuroprotective	3
NF-kB-Inhibitor	1
NO-Genic	1
NO-Inhibitor	4
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	3
Osteolytic	1
Oviposition-Stimulant	1

Activity	Chemical Count
Ovulant	1
Oxidant	1
Oxidase-Inhibitor	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	1
P450-Inducer	2
P450-Inhibitor	1
PAF-Inhibitor	3
Pancreatogenic	2
Paralytic	2
Parasympathomimetic	1
Percutaneostimulant	1
Perfumery	7
Peristaltic	1
Peroxynitrite-Scavenger	1
Pesticide	36
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-Inhibitor	1
Photosensitizer	1

Activity	Chemical Count
Phytoalexin	1
Phytohormonal	1
Pigment	1
Pituitary-Stimulant	2
Plasmodicide	1
Poultice	1
Preservative	1
Previtamin-A	1
Proliferant	1
Prooxidant	1
Propepic	5
Prostaglandin-Synthesis-Inhibitor	2
Protein-Kinase-C-Inhibitor	1
Protisticide	3
Psychotropic	1
PTK-Inhibitor	1
Purgative	1
Pyrogenic	1
Quinone-Reductase-Inducer	4
Radioprotective	1

Activity	Chemical Count
Refrigerant	1
Respirastimulant	1
Reverse-Transcriptase-Inhibitor	1
Secretomotor	1
Sedative	7
Soap	2
Spasmogenic	3
Spermicide	2
Sunscreen	10
Suppository	1
Suppurative	1
Sweetener	3
Teratologic	2
Termiticide	1
Thymolytic	2
TNF-alpha-Inhibitor	4
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	5
Toxic	2
Tranquilizer	1

Activity	Chemical Count
Transdermal	3
Trichomonicide	1
Triglycerigenic	1
Tumorigenic	1
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	2
Ubiquiot	1
Ulcerogenic	2
Uricogenic	1
Uricosuric	2
Urinary-Acidulant	1
Uterosedative	1
Uterotrophic	1
UV-Screen	2
Vasoconstrictor	1
Vasodilator	9
Vasopressor	2
Vasoprotective	4
VEGF-Inhibitor	1
Venotonic	3

Activity	Chemical Count
Verrucolytic	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	9