

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Magnolia officinalis***

Activity	Chemical Count
(-)-Chronotropic	1
(-)-Inotropic	1
11B-HSD-Inhibitor	2
5-Lipoxygenase-Inhibitor	2
ACE-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	3
Allelochemic	3
Allelopathic	1
Allergenic	4
Analgesic	4
Angiotensin-Receptor-Blocker	1
Antiacetyltransferase	1
Antiacne	2
Antiacrodermatitic	1
Antiadenoviral	1
Antiaflatoxin	2
Antiaggregant	5

Activity	Chemical Count
Antiaging	2
Antiakathisic	1
Antialcoholic	3
Antiallergic	3
Antialopecic	1
Antialzheimeran	2
Antianaphylactic	1
Antianemic	3
Antianginal	1
Antiangiogenic	2
Antianorectic	1
Antianorexic	1
Antianoxic	1
Antianxiety	2
Antiarrhythmic	3
Antiarthritic	6
Antiasthmatic	2
Antiatherogenic	1
Antiatherosclerotic	3
Antibacterial	11

Activity	Chemical Count
AntiBPH	1
Anticancer	2
Anticanker	2
Anticarcinogenic	1
Anticarcinomic (Breast)	1
Anticariogenic	3
Anticataract	2
Anticephalagic	1
AntiCFS	1
Anticheilitic	1
Anticlimacteric	2
Anticoeliac	1
Anticold	1
Anticolitic	2
Anticomplementary	1
Anticonvulsant	3
Anticoronary	2
AntiCrohn's	2
Anticystitic	1
Antidandruff	1

Activity	Chemical Count
Antidementia	1
Antidepressant	5
Antidermatitic	1
Antidermatophytic	1
Antidiabetic	5
Antidiscotic	1
Antidote (Aluminum)	1
Antidote (Cadmium)	1
Antidote (Lead)	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrheic	1
AntiEBV	1
Antieczemic	1
Antiedemic	1
Antielastase	2
Antiemetic	1
Antiencephalitic	1
Antiencephalopathic	1
Antiendometriotic	1

Activity	Chemical Count
Antienterotic	1
Antiepileptic	3
Antiescherichic	2
Antiestrogenic	1
Antifatigue	3
Antifeedant	4
Antifertility	1
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrotic	1
Antiflu	3
Antifuruncular	1
Antigastric	1
Antigastrotic	1
Antigingivitic	1
Antiglaucomic	1
Antigonadotropic	2
AntiGTF	1
Antihangover	1
Antihemolytic	1

Activity	Chemical Count
Antihepatoadenomic	1
Antihepatotoxic	2
Antiherpetic	3
Antiherpetic?	1
Antihistaminic	3
AntiHIV	3
Antihydrophobic	1
Antihypercholesterolemic	1
Antihyperkinetic	2
Antihypertensive	4
Antihyperthyroid	1
Antihypoglycemic	1
Antiimplantation	1
Antiimpotence	1
Antiinfective	1
Antiinfertility	1
Antiinflammatory	7
Antiinsomniac	3
AntiLegionella	1
Antileishmanic	1

Activity	Chemical Count
Antileptic	1
Antileukemic	4
Antileukonychic	1
Antileukotriene	2
Antilipoperoxidant	1
Antilithic	1
Antilithic?	1
AntiLyme	1
Antilymphocytic	1
Antilymphomic	1
Antimaculitic	1
Antimalarial	1
Antimastalgic	1
Antimelanogenic	1
Antimelanomic	1
Antimenopausal	2
Antimenorrhagic	1
Antimetastatic	2
Antimigraine	1
Antimitral-valve-prolapse	1

Activity	Chemical Count
AntiMS	1
Antimutagenic	4
Antimyocarditic	1
Antinephrolytic	1
Antineuromuscular	1
Antineuropathic	1
Antineurotic	1
Antinitrosaminic	2
Antinociceptive	2
Antinyctalopic	1
Antiobesity	2
Antiophidic	1
Antiosteoporotic	5
Antiototic	1
Antioxidant	8
Antipancreatic	1
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	2

Activity	Chemical Count
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	2
Antipharyngitic	1
Antiplateau	4
Antiplasmodial	1
AntiPMS	4
Antipneumonic	1
Antipodriac	1
Antipolio	1
Antiprolactin	1
Antiproliferant	2
Antiprostaglandin	1
Antiprostanoid	1
Antiprostatic	2
Antipsoriac	1
Antiradicular	4
AntiRaynaud's	1
Antiretinopathic	1
Antirheumatic	2

Activity	Chemical Count
Antisalmonella	1
Antiseptic	7
Antiserotonin	1
Antispare-Tire	1
Antispasmodic	9
Antispasmophilic	1
Antistaphylococcic	3
Antistomatitic	2
Antistreptococcic	1
Antistress	2
Antistroke	2
Antisunburn	1
Antisyndrome-X	3
Antithiamin	2
Antithrombic	1
Antithyroid	1
Antitic	1
Antitinnitic	1
Antitriglyceride	1
Antitrypanosomic	1

Activity	Chemical Count
Antitumor	4
Antitumor (Bladder)	1
Antitumor (Breast)	1
Antitumor (Colon)	1
Antitumor (Lung)	1
Antitumor (Ovary)	1
Antitumor (Skin)	2
Antitumor-Promoter	5
Antitumor-Promoter?	1
Antiulcer	4
Antiulcerogenic	1
Antivaccinia	1
Antiviral	5
Antiviral?	1
Anxiolytic	5
Apoptotic	2
Aromatase-Inhibitor	1
Artemicide	1
Astringent	1
ATPase-Inhibitor	1

Activity	Chemical Count
Attifuge	1
Bacteristat	1
Beta-Blocker	1
Bradycardiac	1
Calcium-Antagonist	5
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	4
Candidicide	4
Capillariprotective	1
Carcinogenic	3
Cardioprotective	3
Cardiotoxic	1
Catabolic	1
Chemopreventive	1
Cholagogue	1
Choleretic	2
Clastogenic	1
CNS-Active	1

Activity	Chemical Count
CNS-Depressant	4
CNS-Inhibitor	1
Co-carcinogenic	1
Coleoptophile	1
Collagen-Sparing	1
Collagenic	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
COX-2-Inhibitor	3
Curaroid	1
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	5
Deiodinase-Inhibitor	1
Deodorant	1
Detoxicant (Alcohol)	1
Diaphoretic?	2

Activity	Chemical Count
Differentiator	1
Diuretic	5
DNA-Active	1
DNA-Protective	1
Dopamine-Adenylate-Cyclase-Inhibitor	1
Enterorelaxant	1
Ergogenic	1
Estrogenic	2
Expectorant	3
FLavor	4
Fungicide	7
Fungistat	1
Glucosyl-Transferase-Inhibitor	1
Hemostat	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	4
Hepatotropic	1
Herbicide	2
Histamine-Inhibitor	1

Activity	Chemical Count
HIV-RT-Inhibitor	2
Hypertensive	1
Hypocholesterolemic	3
Hypocholesterolemic?	1
Hypoglycemic	2
Hypotensive	7
ICAM-1-Inhibitor	1
Immunomodulator	3
Immunostimulant	2
Immunosuppressant	1
iNOS-Inhibitor	2
Inotropic	2
Insecticide	2
Insectifuge	6
Insectiphile	1
Insulinogenic	3
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	2
JNK-Inhibitor	1
Juvabonal	1

Activity	Chemical Count
Larvicide	2
Larvostat	1
Laxative	2
Leptogenic	1
Leukotriene-Inhibitor	1
Lipoxygenase-Inhibitor	3
Litholytic	1
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	1
Mast-Cell-Stabilizer	1
Metal-Chelator	1
Metal-Chelator (Copper)	2
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	1
Mucogenic	1
Mutagenic	2
Mycoplasmicide	1
Myorelaxant	5
NADH-Oxidase-Inhibitor	1

Activity	Chemical Count
Natriuretic	1
NEP-Inhibitor	1
Neurogenic	1
Neuroprotective	2
Neurotransmitter	1
NF-kB-Inhibitor	2
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	2
P450-2B1-Inhibitor	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	2
Paralytic	1
Perfumery	2
Pesticide	17
PGE2-Inhibitor	1
Phospholipase-Inhibitor	1
Pigment	1
Plasmodicide	1

Activity	Chemical Count
Proliferant	1
Prooxidant	3
Prostaglandigenic	1
Prostaglandin-Synthesis-Inhibitor	1
Protein-Kinase-C-Inhibitor	1
Protisticide	1
PTK-Inhibitor	1
Quinone-Reductase-Inducer	2
Schizophrenigenic	1
Sedative	6
Spasmogenic	3
Spermigenic	1
Sunscreen	1
Teratologic	2
Testosteronigenic	1
TNF-alpha-Inhibitor	2
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Toxic	1
Tranquilizer	3

Activity	Chemical Count
Transdermal	2
Trichomonicide	1
Tumorigenic	2
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Uterorelaxant	1
Uterotrophic	1
Vasodilator	7
VEGF-Inhibitor	1
Vulnerary	2
Xanthine-Oxidase-Inhibitor	2