

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in Populus tacamahacca

Activity	Chemical Count
Pesticide	11
Antibacterial	9
Cancer-Preventive	6
Antiviral	5
Quinone-Reductase-Inducer	5
Antioxidant	5
Fungicide	5
Antimutagenic	5
Antiinflammatory	5
Hepatoprotective	5
Mutagenic	5
Antiaggregant	4
Antispasmodic	4
Antileukemic	4
Antiaflatoxin	4
Topoisomerase-I-Inhibitor	4
Aldose-Reductase-Inhibitor	4
Cytotoxic	4
Vasodilator	4
Cyclooxygenase-Inhibitor	3
Apoptotic	3
Antiradicular	3
Antiulcer	3
Antihistaminic	3
Antiallergic	3
Lipoxygenase-Inhibitor	3
Antiplateau	3

Activity	Chemical Count
Antitumor	3
Estrogenic	3
Antiseptic	3
MAO-Inhibitor	3
Aromatase-Inhibitor	3
Antitumor-Promoter	3
Antiherpetic	3
Antimalarial	2
AntiHIV	2
VEGF-Inhibitor	2
Hypotensive	2
Antistaphylococcic	2
Diaphoretic?	2
Antihypertensive	2
JNK-Inhibitor	2
Antiplasmodial	2
Antiangiogenic	2
ICAM-1-Inhibitor	2
Antigingivitic	2
HIV-RT-Inhibitor	2
Antifeedant	2
Topoisomerase-II-Inhibitor	2
cAMP-Phosphodiesterase-Inhibitor	2
Antipodagric	2
Inotropic	2
Antitumor (Colon)	2
Antiperoxidant	2

Activity	Chemical Count
Antithrombic	2
NO-Inhibitor	2
COX-2-Inhibitor	2
Tyrosinase-Inhibitor	2
Analgesic	2
TNF-alpha-Inhibitor	2
5-Lipoxygenase-Inhibitor	2
Candidicide	2
Xanthine-Oxidase-Inhibitor	2
Antiperiodontic	2
Antiestrogenic	2
Neuroprotective	2
Carcinogenic	2
Teratologic	2
Antiproliferant	2
Anticancer	2
iNOS-Inhibitor	2
Antitumor (Breast)	2
Copper-Chelator	2
Allergenic	2
11B-HSD-Inhibitor	2
AntiCrohn's	1
Metal-Chelator (Copper)	1
Soporific	1
Antirheumatic	1
ATPase-Inhibitor	1
Antileishmanic	1

Activity	Chemical Count
PTK-Inhibitor	1
Antiprogesterone	1
Anticariogenic	1
Laxative	1
Plasmodicide	1
Antipodriac	1
Antiatherosclerotic	1
Insulinogenic	1
Antitumor (Lung)	1
AntiGTF	1
Perfumery	1
Antipharyngitic	1
Antialzheimeran	1
Antitrypanosomic	1
Antiflu	1
NO-Synthase-Inhibitor	1
Antiperiodontal	1
Tyrosine-Kinase-Inhibitor	1
Anesthetic	1
Hepatomagenic	1
Antiescherichic	1
NEP-Inhibitor	1
Choleretic	1
Antinitrosaminic	1
Tonic	1
Aldehyde-Oxidase-Inhibitor	1
Emollient	1

Activity	Chemical Count
Antidepressant	1
MMP-9-Inhibitor	1
Capillariprotective	1
Antimelanomic	1
Teratogenic	1
Antisalmonella	1
Bradycardiac	1
Antileukotriene	1
Antipsoriac	1
Anticolitic	1
MAO-A-Inhibitor	1
Prostaglandin-Synthesis-Inhibitor	1
Antiproctalgic	1
Antitumor (Skin)	1
Antihepatotoxic	1
PGE2-Inhibitor	1
Antitumor (Bladder)	1
P450-Inducer	1
Cytochrome-P450-1A2-Inhibitor	1
Antiperistaltic	1
Uterotrophic	1
Antistress	1
NF-kB-Inhibitor	1
COMT-Inhibitor	1
Allelochemic	1
Antidiabetic	1
Myorelaxant	1

Activity	Chemical Count
Caspase-3-Inhibitor	1
Termitifuge	1
Diuretic	1
Antiserotonin	1
Mast-Cell-Stabilizer	1
Antilymphocytic	1
Sedative	1
Anticonvulsant	1
Artemicide	1
Protisticide	1
Antiproliferant (colon)	1
Anticarcinomic (Breast)	1
Larvostat	1
Phospholipase-Inhibitor	1
Antiasthmatic	1
Antigout	1
PAF-Inhibitor	1
Vasorelaxant	1
Hypoglycemic	1
Antifibrosarcomic	1
Antiperiodic	1
Hemostat	1
Antiencephalitic	1
Natriuretic	1
Catabolic	1
Antineuralgic	1
Dye	1

Activity	Chemical Count
Anticystitic	1
Metalloproteinase-Inhibitor	1
AntiMDR	1
Stomachic	1
Deiodinase-Inhibitor	1
Antirhinoviral	1
Bacteristat	1
Purgative	1
Antiprostaitic	1
Anticataract	1
Anxiolytic	1
Antihydrophobic	1
Proliferant	1
Antipolio	1
Antibacillary	1
Iodothyronine-Deiodinase-Inhibitor	1
Antitumor (Ovary)	1
Antihemorrhoidal	1
Antianaphylactic	1
Hypouricemic	1
Antigastric	1
Ornithine-Decarboxylase-Inhibitor	1
CYP1A1-Inhibitor	1
Uterorelaxant	1
Antistreptococcic	1
CNS-Depressant	1
Antinociceptive	1

Activity	Chemical Count
Antidermatitic	1
Antimetastatic	1
Differentiator	1
Calmodulin-Antagonist	1
Antilipoperoxidant	1
Radioprotective	1
Antipyretic	1
Anticomplementary	1
Antiimplantation	1
Protein-Kinase-C-Inhibitor	1
Juvabional	1
Pheromone	1
AntiPMS	1
Antiarthritic	1
Antigonadotropic	1
P450-Inhibitor	1
Antipermeability	1
Antiaging	1
Hypnotic	1
Antithiamin	1
Antifertility	1
NO-Genic	1
Antipancreatic	1
Tumorigenic	1
Glucosyl-Transferase-Inhibitor	1
Antielastase	1
NADH-Oxidase-Inhibitor	1

Activity	Chemical Count
Caspase-9-Inhibitor	1
Antimyocarditic	1
Testosterogenic	1
DNA-Protective	1
Antishigellic	1