

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Catharanthus roseus***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Lipoxygenase-Inhibitor	2
Abortifacient	2
Adrenalin-Pressor	1
Adrenergic-Blocker	1
Adrenolytic	2
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	2
Allelochemic	1
Allergenic	2
Alpha-Glucosidase-Inhibitor	1
Analgesic	4
Androgenic	1
Anesthetic	4
Angiogenic	1
Anorexic	1
Anthelmintic	1
Antiacetylcholinesterase	2

Activity	Chemical Count
Antiadenomic	1
Antiadrenergic	2
Antiaflatoxin	2
Antiaggregant	4
Antiaging	1
Antiallergic	3
Antialzheimeran	3
Antiamebic	1
Antianaphylactic	1
Antiandrogenic	1
Antianginal	1
Antiangiogenic	1
Antiarrhythmic	4
Antiarthritic	2
Antiasthmatic	2
Antiatherosclerotic	3
Antibacillus	1
Antibacterial	10
Anticancer	3
Anticancer (Breast)	1

Activity	Chemical Count
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Lung)	1
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticariogenic	4
Anticataract	1
Anticholestatic	1
Antichoreic	1
Anticirrhotic	1
Anticlastogen	1
Anticolitic	1
Anticomplement	2
Anticomplementary	1
Anticonvulsant	1
AntiCrohn's	1
Anticystinuric	1
Anticystitic	1
Antidementia	1
Antidepressant	2

Activity	Chemical Count
Antidermatitic	1
Antidiabetic	3
Antidiarrheic	1
Antidiuretic	3
Antidopaminergic	1
Antidote	1
Antidysenteric	1
Antidyskinetic	2
AntiEBV	1
Antiedemic	4
Antielastase	1
Antiencephalitic	1
Antiendotoxic	1
Antiescherichic	3
Antiestrogenic	2
Antifeedant	2
Antifertility	4
Antifibrosarcomic	2
Antiflu	1
Antigastric	1

Activity	Chemical Count
Antigingivitic	2
Antigonadotrophic	1
Antigonadotropic	1
AntiGTF	1
Antihepatotic	1
Antihepatotoxic	5
Antiherpetic	3
Antihistaminic	3
AntiHIV	4
AntiHodgkin's	1
Antihomocysteine	1
Antihydrophobic	1
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	7
Antiimplantation	1
Antiinflammatory	7
Antiinsomniac	1
Antiischemic	2
AntiKaposi's	2

Activity	Chemical Count
Antiketaminic	1
AntiLegionella	1
Antileishmanic	2
Antileukemic	10
Antileukotriene	2
Antilipolytic	2
Antilipoperoxidant	1
Antilymphocytic	1
Antilymphomic	3
Antimalarial	4
Antimanic	1
Antimelanogenic	1
Antimelanomic	1
Antimetastatic	2
Antimigraine	1
Antimitotic	2
Antimutagenic	6
Antimyocarditic	1
Antineoplastic	1
Antinephritic	3

Activity	Chemical Count
Antineuralgic	1
Antinitrosaminic	1
Antinociceptive	2
Antiobesity?	1
Antiophidic	3
Antioxidant	8
Antipancreatic	1
Antiparaesthetic	1
Antiperiodontal	2
Antiperiodontic	2
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	4
AntiPGE2	1
Antipharyngitic	1
Antiplatelet	4
Antiplasmodial	3
AntiPMS	1
Antipodriac	1
Antipolio	3

Activity	Chemical Count
Antiprogestational	1
Antiproliferant	1
Antiproliferative	1
Antiprostaglandin	1
Antiprostanoid	1
Antiprostatadenomic	1
Antiprostatitic	2
Antipsoriac	1
Antipsychotic	1
Antipyretic	2
Antiradicular	4
AntiRaynaud's	1
Antirenitic	1
Antisarcomic	1
Antischizophrenic	1
Antiseptic	5
Antiserotonin	2
Antispasmodic	4
Antistaphylococcic	3
Antisteatotic	1

Activity	Chemical Count
Antistreptococcic	1
Antistress	1
Antitachycardic	1
AntiTGF-beta	2
Antithiamin	1
Antithrombic	1
Antithromboxane	1
Antitrypanosomic	3
Antitumor	11
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (Cervix)	2
Antitumor (Colon)	4
Antitumor (Kidney)	1
Antitumor (Lung)	4
Antitumor (Mouth)	1
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Skin)	2

Activity	Chemical Count
Antitumor (Stomach)	1
Antitumor-Promoter	4
Antitussive	1
Antiulcer	5
Antiviral	9
Anxiogenic	1
Anxiolytic	1
Aphrodisiac	1
Apoptotic	4
Aromatase-Inhibitor	3
Artemicide	2
Arteriodilator	1
ATPase-Inhibitor	1
Bacteristat	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Bradycardic	2
Calcium-Antagonist	2
Calmodulin-Antagonist	1

Activity	Chemical Count
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	6
Candidicide	3
Capillariprotective	1
Carcinogenic	5
Cardiodepressant	2
Cardioprotective	3
Cardiotonic	3
Cardiovascular	1
Caspase-8-Inducer	1
Catabolic	1
Catecholaminolytic	1
Cathartic	2
Cerebrocirculant	1
Cerebrotonic	2
Chelator	1
Chemopreventive	1
Choleretic	2
Cholinergic	2
Circulotonic	1

Activity	Chemical Count
CNS-Depressant	5
CNS-Stimulant	1
COMT-Inhibitor	1
Copper-Chelator	2
Coronary-Dilator	1
COX-2-Inhibitor	4
Cyclooxygenase-Inhibitor	5
Cytochrome-P450-1A2-Inhibitor	1
Cytotoxic	3
Deiodinase-Inhibitor	1
Diaphoretic?	2
Differentiator	1
Diuretic	5
Elastase-Inhibitor	2
Emetic	1
Estrogenic	3
Febrifuge	1
FLavor	1
Fungicide	6
Glucogonogenic	1

Activity	Chemical Count
Glucosyl-Transferase-Inhibitor	2
Glutathione-Depleting	1
Gonadotrophic	2
Hemostat	1
Hepatomagenic	1
Hepatoprotective	9
Hepatotoxic	1
HIV-RT-Inhibitor	2
Hypertensive	2
Hypocholesterolemic	2
Hypoglycemic	10
Hypolipemic	1
Hypolipidemic	1
Hypotensive	12
Hypothermic	2
ICAM-1-Inhibitor	1
Ileorelaxant	1
Immunomodulator	3
Immunostimulant	2
Immunosuppressant	3

Activity	Chemical Count
iNOS-Inhibitor	2
Inotropic	2
Insecticide	1
Insulinic	1
Insulinogenic	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	1
JNK-Inhibitor	1
Juvabional	1
Larvostat	1
Laxative	2
Leucocytogenic	2
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	4
MAO-A-Inhibitor	1
MAO-Inhibitor	3
Mast-Cell-Stabilizer	1
MDR-Inhibitor	3
Memorigenic	1

Activity	Chemical Count
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	2
Mutagenic	2
Mydriatic	1
Myocontractant	1
Myorelaxant	2
NADH-Oxidase-Inhibitor	1
Natriuretic	1
NEP-Inhibitor	1
Nephrotoxic	1
Neuroprotective	2
Neurotoxic	1
NF-kB-Inhibitor	2
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	3
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	2

Activity	Chemical Count
Parasympathomimetic	1
Peristaltic	1
Pesticide	13
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
Pigment	1
Piscicide	2
Plasmodicide	1
Potassium-Sparing	1
Proliferant	1
Prooxidant	1
Prostaglandigenic	1
Prostaglandin-Synthesis-Inhibitor	2
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	1
Protisticide	3
Psychotropic	1
PTK-Inhibitor	1
Pyrogenic	1

Activity	Chemical Count
Quinone-Reductase-Inducer	3
Respirastimulant	2
Respirodepressant	1
Respirostimulant	1
Rhinorreic	1
Rodenticide	1
Secretogogue	1
Secretomotor	1
Sedative	5
Serotoninolytic	1
Sialogogue	1
Sodium-Sparing	1
Spermicide	1
Sympathicomimetic	1
Sympatholytic	1
Teratogenic	4
Teratologic	2
Thrombogenic	1
TNF-alpha-Inhibitor	2
TOPO-2-Inhibitor	1

Activity	Chemical Count
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Tranquilizer	3
Tremorigenic	1
Trypanocide	1
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	2
Ulcerogenic	2
Uterotonic	2
Uterotrophic	1
Vasoconstrictor	1
Vasodilator	5
Vasopressor	2
VEGF-Inhibitor	1
Xanthine-Oxidase-Inhibitor	2