

Dr. Duke's Phytochemical and Ethnobotanical Databases**Biological Activities found in Nerium oleander**

Activity	Chemical Count
11B-HSD-Inhibitor	1
5-Alpha-Reductase-Inhibitor	4
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Abortifacient	1
ACE-Inhibitor	2
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	4
Allelochemic	2
Allergenic	2
Alpha-Reductase-Inhibitor	1
Analgesic	3
Androgenic	1
Anemiagenic	1
Angiogenic	1
Anorexic	1
Anthelmintic	1
Antiacne	1
Antiadenomic	1
Antiaflatoxin	1
Antiaggregant	2
Antiaging	1
Antiallergic	3
Antialopepic	3
Antialzheimeran	3
Antianaphylactic	2
Antiandrogenic	4

Activity	Chemical Count
Antiangiogenic	1
Antiapoplectic	1
Antiarrhythmic	3
Antiartherosclerotic	1
Antiarthritic	3
Antiasthmatic	2
Antiatherogenic	1
Antiatherosclerotic	3
Antibacterial	9
Anticancer	4
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Lung)	1
Anticapillary-Fragility	1
Anticarcinomic	5
Anticarcinomic (Breast)	1
Anticariogenic	3
Anticataract	3
Anticholestatic	1
Antichoreic	1
Anticirrhotic	1
Anticlastogen	1
Anticolitic	1
Anticomplement	2
Anticomplementary	1
Anticonvulsant	1

Activity	Chemical Count
Anticoronary	1
AntiCrohn's	1
AntiCVI	1
Anticystinuric	1
Anticystitic	1
Antidementia	2
Antidepressant	1
Antidermatitic	2
Antidiabetic	4
Antidote	1
Antidyskinetic	1
AntiEBV	1
Antieczemic	1
Antiedemic	7
Antielastase	2
Antiencephalitic	1
Antierythemic	1
Antiescherichic	2
Antiestrogenic	2
Antifeedant	6
Antifertility	2
Antifibrinolytic	2
Antifibrosarcomic	2
Antiflu	3
Antigastric	1
Antigingivitic	1
Antiglaucomic	1

Activity	Chemical Count
Antigonadotrophic	1
Antigonadotropic	1
Antigranular	1
AntiGTF	1
Antihematuric	1
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatotoxic	6
Antitherpetic	3
Antihistaminic	4
AntiHIV	5
Antihomocysteine	1
Antihydrophobic	1
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	2
Antiinflammatory	13
Antiischemic	1
Antileishmanic	2
Antileukemic	5
Antileukotriene	2
Antileukotriene-D4	2
Antilipoperoxidant	1
Antilymphomic	2
Antimalarial	5
Antimanic	1
Antimelanomic	3

Activity	Chemical Count
Antimenorrhagic	1
Antimetastatic	3
AntiMS	1
Antimutagenic	5
Antimyocarditic	1
Antinephritic	3
Antinitrosaminic	1
Antinociceptive	7
Antiobesity?	1
Antiophidic	2
Antioxidant	11
Antipancreatic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	4
AntiPGE2	1
Antipharyngitic	1
Antiplaque	2
Antiplasmodial	4
Antiplatelet	1
AntiPMS	1
Antipodriac	1
Antipolio	1
Antiprogestational	1
Antiproliferant	2

Activity	Chemical Count
Antiproliferative	1
Antiprostaglandin	1
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	3
Antiprostatotic	1
Antiprotozoal	1
Antipsoriac	1
Antipurpuric	2
Antipyretic	1
Antiradicular	3
Antisarcomic	1
Antiseptic	3
Antispasmodic	4
Antistaphylococcic	2
Antisteatotic	1
Antistreptococcic	1
Antisunburn	1
AntiTGF-beta	2
Antithiamin	1
Antithrombic	1
Antithrombogenic	2
Antithromboxane	1
Antithyroid	1
Antitrypanosomic	3
Antitumor	12
Antitumor (Bladder)	1

Activity	Chemical Count
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (Cervix)	2
Antitumor (Colon)	3
Antitumor (Kidney)	1
Antitumor (Lung)	4
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Skin)	1
Antitumor (Stomach)	1
Antitumor-Promoter	4
Antitussive	1
Antiulcer	6
Antivaricose	1
Antiviral	10
Aphidifuge	1
Apoptotic	4
Aromatase-Inhibitor	2
Artemicide	2
ATPase-Inhibitor	1
Bacteristat	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Bradycardic	1
Bronchosedative	1
Calmodulin-Antagonist	1

Activity	Chemical Count
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	10
Candidicide	5
Capillarigenic	1
Capillariprotective	2
Carcinogenic	2
Cardiac	5
Cardiodepressant	1
Cardioprotective	2
Cardiotonic	5
Caspase-8-Inducer	1
Catabolic	2
Cerebrotonic	1
Chemopreventive	1
Choleretic	4
Cholinergic	1
CNS-Depressant	2
Comedolytic	1
COMT-Inhibitor	1
Copper-Chelator	1
Cosmetic	1
COX-1-Inhibitor	1
COX-2-Inhibitor	4
Cyclooxygenase-Activator	1
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1

Activity	Chemical Count
Cytotoxic	6
Deiodinase-Inhibitor	1
Dermatitigenic	1
Detoxicant	1
Diaphoretic	1
Diaphoretic?	1
Differentiator	1
Diuretic	9
Dye	1
Elastase-Inhibitor	2
Estrogenic	3
Estrogenic?	1
Febrifuge	1
FLavor	3
Fungicide	3
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	1
Gonadotrophic	1
Hemolytic	1
Hemostat	3
Hepatomagenic	2
Hepatoprotective	8
Hepatotonic	1
HIV-RT-Inhibitor	1
Hypercholesterolemic	2
Hypocholesterolemic	8
Hypoglycemic	4

Activity	Chemical Count
Hypolipemic	2
Hypolipidemic	1
Hypotensive	6
Ileorelaxant	1
Immunomodulator	4
iNOS-Inhibitor	1
Inotropic	1
Insecticide	2
Insectifuge	3
Insectiphile	3
Insulinogenic	1
Irritant	4
Juvabional	2
Larvostat	2
Leucocytogenic	2
Lipotropic	1
Lipoxygenase-Inhibitor	3
Lubricant	2
MAO-A-Inhibitor	2
MAO-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	2
Mutagenic	2

Activity	Chemical Count
Myoprotective	1
Myorelaxant	1
NADH-Oxidase-Inhibitor	1
Nematicide	2
NEP-Inhibitor	1
Neuroprotective	1
NF-kB-Inhibitor	2
NO-Inhibitor	1
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	2
Oviposition-Stimulant	1
Ovulant	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	1
Paralytic	1
Parasympathomimetic	1
Percutaneostimulant	1
Perfumery	2
Pesticide	11
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Piscicide	2
Plasmodicide	1
Potassium-Sparing	1

Activity	Chemical Count
Proliferant	1
Propepic	4
Prostaglandin-Synthesis-Inhibitor	4
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	1
Protisticide	2
PTK-Inhibitor	1
Purgative	1
Quinone-Reductase-Inducer	2
Radioprotective	1
Respirastimulant	1
Rodenticide	1
Sedative	2
Soap	1
Sodium-Sparing	1
Spermicide	1
Sunscreen	1
Suppository	1
Teratologic	1
TNF-alpha-Inhibitor	2
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	1
Topoisomerase-II-Inhibitor	4
Toxic	1
Trypanocide	1
Tumorigenic	1
Tyrosinase-Inhibitor	1

Activity	Chemical Count
Tyrosine-Kinase-Inhibitor	1
Ubiquitin	1
Ulcerogenic	1
Uterotonic	1
Vasoconstrictor	1
Vasodilator	2
Vasomotor-Stimulant	1
Vasopressor	4
VEGF-Inhibitor	1
Xanthine-Oxidase-Inhibitor	1