

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Chrysanthemum x morifolium*

Activity	Chemical Count
Pesticide	28
Antibacterial	18
FLavor	18
Antiinflammatory	15
Insectifuge	15
Antispasmodic	14
Perfumery	14
Fungicide	12
Allergenic	12
Sedative	11
Irritant	10
Antiseptic	10
Expectorant	10
Antiviral	10
Antioxidant	10
Analgesic	9
Aldose-Reductase-Inhibitor	8
Anesthetic	8
Antifeedant	8
Antimutagenic	8
Candidicide	8
Nematicide	8
Insecticide	7
Cancer-Preventive	7
Myorelaxant	7
Hepatoprotective	7
Hypocholesterolemic	6

Activity	Chemical Count
Antinociceptive	6
Herbicide	6
Antitumor	5
Acaricide	5
Hypotensive	5
Antistaphylococcic	5
Antiulcer	5
Choleretic	5
Antiedemic	5
Anticariogenic	5
Spasmogenic	5
Transdermal	4
Antihistaminic	4
Antiacne	4
Trichomonicide	4
P450-2B1-Inhibitor	4
Antilymphomic	4
Cytotoxic	4
Antiallergic	4
Antiacetylcholinesterase	4
Antisalmonella	4
Antileukemic	4
Rubefacient	4
Antitussive	3
Estrogenic	3
Antitumor (Cervix)	3
Antibronchitic	3

Activity	Chemical Count
Ulcerogenic	3
Protistocide	3
(-)-Inotropic	3
Apoptotic	3
Motor-Depressant	3
Antiotitic	3
Carminative	3
Hypoglycemic	3
Allelopathic	3
Dentifrice	3
Counterirritant	3
Antiherpetic	3
CNS-Stimulant	3
(-)-Chronotropic	3
Aromatase-Inhibitor	3
Larvicide	3
Cosmetic	3
Antihepatotoxic	3
CNS-Depressant	3
Antitumor (Lung)	3
Antimalarial	3
Antipyretic	3
Tyrosinase-Inhibitor	3
Decongestant	2
Gram(+)icide	2
Antiplasmodial	2
Chemopreventive	2

Activity	Chemical Count
Hypothermic	2
Respirastimulant	2
Antiestrogenic	2
Antiarthritic	2
Antidiabetic	2
Cyclooxygenase-Inhibitor	2
Topoisomerase-I-Inhibitor	2
Gastroprotective	2
Anticomplementary	2
Convulsant	2
Anthelmintic	2
Antitumor (Stomach)	2
Anticholinesterase	2
Anticarcinomic	2
Antiflu	2
Antiatherosclerotic	2
Beta-Glucuronidase-Inhibitor	2
Antipruritic	2
Lubricant	2
Antiandrogenic	2
Artemicide	2
Antiproliferant	2
Laxative	2
Tranquilizer	2
Antiyeast	2
Antiplatelet	2
Iodothyronine-Deiodinase-Inhibitor	2

Activity	Chemical Count
Insect-Repellent	2
Surfactant	2
Antitumor (Ovary)	2
Immunomodulator	2
Spermicide	2
Antitumor (Breast)	2
Vasodilator	2
Calcium-Antagonist	2
Antiescherichic	2
Antiarrhythmic	2
Gram(-)-icide	2
Antialzheimeran	2
Antidermatic	2
Culicide	2
AntiHIV	2
Antiophidic	2
Antihalitotic	2
Antitumor (Colon)	2
Cardiotonic	2
Antimelanomic	2
Anticancer	2
Antirheumatic	2
Diuretic	2
Allelochemic	2
Lipoxygenase-Inhibitor	2
5-Alpha-Reductase-Inhibitor	2
Antistreptococcic	2

Activity	Chemical Count
Propepic	2
Antiaggregant	2
Anticonvulsant	2
MMP-9-Inhibitor	2
Antinitrosaminic	2
Verrucolytic	2
Antimite	2
Anticancer (Cervix)	2
Antitumor (brain)	2
Hypnotic	2
ACE-Inhibitor	2
Antileptic	1
Hepatotoxic	1
Antiangiogenic	1
Arteriodilator	1
Protease-Inhibitor	1
Antiproliferative	1
Leucocytogenic	1
Antidysenteric	1
Mutagenic	1
Antihypertensive	1
Antialopepic	1
Anxiolytic	1
Potassium-Sparing	1
Antidementia	1
COX-2-Inhibitor	1
TNF-alpha-Inhibitor	1

Activity	Chemical Count
Mosquitocide	1
GABA-nergic	1
Pheromone	1
Antipeptic	1
Anticolic	1
CNS-Toxic	1
Systolic-Depressant	1
Vulnerary	1
Ankylostomacide	1
Antitumor (Pancreas)	1
Parasympathomimetic	1
Antiobesity?	1
Immunostimulant	1
Anticatarrh	1
Sprout-Inhibitor	1
Antigonadotrophic	1
Ancylostomicide	1
Ovulant	1
Antinephritic	1
Anticancer (Lung)	1
Cardioprotective	1
Antifibrosarcomic	1
Emetic	1
Vasopressor	1
Antimanic	1
Antirheumatalgic	1
Metalloproteinase-Inhibitor	1

Activity	Chemical Count
Differentiator	1
Antitrichinosic	1
NF-kB-Inhibitor	1
Antilipolytic	1
Hyaluronidase-Inhibitor	1
Barbituate-Synergist	1
Antiprostataadenomic	1
Lipotropic	1
AntiEBV	1
Deiodinase-Inhibitor	1
Antisteatotic	1
Narcotic	1
Antiinsomniac	1
Hemolytic	1
Antialzheimeran?	1
Prooxidant	1
Antipolio	1
Lactagogue	1
Antihomocysteine	1
Antiaflatoxin	1
Antivaginitic	1
Phytohormonal	1
Antiperoxidant	1
Insectiphile	1
Termiticide	1
Febrifuge	1
Perfume	1

Activity	Chemical Count
Inhalant	1
Cholinergic	1
Succinioxidase-Inhibitor	1
Antihelicobacter	1
Antitumor (Kidney)	1
Antineuritic	1
IKK-Inhibitor	1
Sodium-Sparing	1
Enterorelaxant	1
Vermicide	1
Antimetastatic	1
Anticancer (Breast)	1
Candidistat	1
Sclerosant	1
Antirhinitic	1
Ecboic	1
Urinary-Antiseptic	1
Oculoirritant	1
Hypertensive	1
Pyrogenic	1
Antiemetic	1
Tumor-Promoter	1
Antitachycardic	1
NEP-Inhibitor	1
Antileishmanic	1
Hepatotonic	1
Prostaglandin-Synthetase-Inhibitor	1

Activity	Chemical Count
Antidiuretic	1
Antisinusitic	1
Mucotropic	1
Antihyperlipoproteinaemic	1
Gonadotrophic	1
Plasmodicide	1
Anticystinuric	1
Testosterone-Hydroxylase-Inducer	1
Molluscicide	1
Antitumor-Promoter	1
Antioxidant (LDL)	1
Anticirrhotic	1
Anhydrotic	1
PAF-Inhibitor	1
Anticataract	1
Cerebrotonic	1
Antiglutamaergic	1
Epileptigenic	1
Vibriocide	1
Osteolytic	1
Anticancer (Colon)	1
Cardiodepressant	1
Secretomotor	1
Antifibrinolytic	1
Elastase-Inhibitor	1
Antimange	1
Hypocalcemic	1

Activity	Chemical Count
Respirainhibitor	1
Antiradicular	1
Memorigenic	1
Dermatitigenic	1
Ubiquiot	1
Acidulant	1
Antithromboxane	1
Neurotoxic	1
Ataxigenic	1
Protein-Kinase-C-Inhibitor	1
Antiprostaglandin	1
Lipolytic	1
Antidyskinetic	1
Degranulant	1
Tremorilytic	1
Aphidifuge	1
Proliferant	1
Antipneumonic	1
Keratitigenic	1
TOPO-2-Inhibitor	1
Mosquitofuge	1
Gastroirritant	1
Antiadenomic	1
Phytoalexin	1
Antiperiodontic	1
Anticomplement	1
Coleoptophile	1

Activity	Chemical Count
Teratogenic	1
Xanthine-Oxidase-Inhibitor	1
Anorexic	1
Antitumor (Skin)	1
Pediculicide	1
Inflammatory	1
Anticholestatic	1
Stimulant	1
Androgenic	1
Oxytocic?	1
Antineuralgic	1
ICAM-1-Inhibitor	1
Anticarcinogenic	1
Soap	1
Antifibrositic	1
Emmenagogue	1
VEGF-Inhibitor	1
Hypocholesterolemic?	1
Antifatigue	1
Uricosuric	1
Antitrypanosomic	1
NO-Inhibitor	1
Antilithic?	1
Hypercholesterolemic	1
Antiatherogenic	1
Beta-Blocker	1
PTK-Inhibitor	1

Activity	Chemical Count
Antiprostatic	1
Deliriant	1
Trypanocide	1
Antilaryngitic	1
Antianaphylactic	1
Antiprogestational	1
Antidiarrheic	1
Cytochrome-P450-Inducer	1
Tracheorelaxant	1
Antishock	1
Mucolytic	1
Antihyperlipidemic	1
Glucogonogenic	1
Piscicide	1
Antipharyngitic	1
Insulinic	1
Termitifuge	1
Antiacetylcholine	1
Antitumor (Thyroid)	1
iNOS-Inhibitor	1
Antichoreic	1
Suppository	1
Angiogenic	1
P450-Inducer	1
Ileorelaxant	1
Caspase-8-Inducer	1
Antigliomic	1

Activity	Chemical Count
Enterotoxic	1
Ornithine-Decarboxylase-Inhibitor	1
Hypolipidemic	1
Carcinogenic	1
Secretagogue	1
Antirhinoviral	1
Antifertility	1
Edemagenic	1
Varroacide	1
Antibacillary	1
Bronchorelaxant	1
Quinone-Reductase-Inducer	1
MAPK-Inhibitor	1
Antiendotoxic	1
Deodorant	1
AntiTGF-beta	1
Neurolytic	1