

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

Activity	Chemical Count
(-)-Chronotropic	3
(-)-Inotropic	3
5-Alpha-Reductase-Inhibitor	2
Acaricide	5
ACE-Inhibitor	2
Acidulant	1
Aldose-Reductase-Inhibitor	8
Allelochemic	2
Allelopathic	3
Allergenic	12
Analgesic	9
Ancylostomicide	1
Androgenic	1
Anesthetic	8
Angiogenic	1
Anhydrotic	1
Ankylostomacide	1
Anorexic	1
Anthelmintic	2
Antiacetylcholine	1
Antiacetylcholinesterase	4
Antiacne	4
Antiadenomic	1
Antiaflatoxin	1
Antiaggregant	2
Antiallergic	4
Antialopepic	1

Activity	Chemical Count
Antialzheimeran	2
Antialzheimeran?	1
Antianaphylactic	1
Antiandrogenic	2
Antiangiogenic	1
Antiarrhythmic	2
Antiarthritic	2
Antiatherogenic	1
Antiatherosclerotic	2
Antibacillary	1
Antibacterial	18
Antibronchitic	3
Anticancer	2
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	1
Anticancer (Lung)	1
Anticarcinogenic	1
Anticarcinomic	2
Anticariogenic	5
Anticataract	1
Anticatarrh	1
Anticholestatic	1
Anticholinesterase	2
Antichoreic	1
Anticirrhotic	1
Anticolitic	1

Activity	Chemical Count
Anticomplement	1
Anticomplementary	2
Anticonvulsant	2
Anticystinuric	1
Antidementia	1
Antidermatic	2
Antidiabetic	2
Antidiarrheic	1
Antidiuretic	1
Antidysenteric	1
Antidyskinetic	1
AntiEBV	1
Antiedemic	5
Antiemetic	1
Antiendotoxic	1
Antiescherichic	2
Antiestrogenic	2
Antifatigue	1
Antifeedant	8
Antifertility	1
Antifibrinolytic	1
Antifibrosarcomic	1
Antifibrositic	1
Antiflu	2
Antigliomic	1
Antiglutamaergic	1
Antigonadotrophic	1

Activity	Chemical Count
Antihalitotic	2
Antihelicobacter	1
Antihepatotoxic	3
Antiherpetic	3
Antihistaminic	4
AntiHIV	2
Antihomocysteine	1
Antihyperlipidemic	1
Antihyperlipoproteinaemic	1
Antihypertensive	1
Antiinflammatory	15
Antiinsomniac	1
Antilaryngitic	1
Antileishmanic	1
Antileptic	1
Antileukemic	4
Antilipolytic	1
Antilithic?	1
Antilymphomic	4
Antimalarial	3
Antimange	1
Antimanic	1
Antimelanomic	2
Antimetastatic	1
Antimite	2
Antimutagenic	8
Antinephritic	1

Activity	Chemical Count
Antineuralgic	1
Antineuritic	1
Antinitrosaminic	2
Antinociceptive	6
Antiobesity?	1
Antiophidic	2
Antiotitic	3
Antioxidant	10
Antioxidant (LDL)	1
Antipeptic	1
Antiperiodontic	1
Antiperoxidant	1
Antipharyngitic	1
Antiplaque	2
Antiplasmodial	2
Antipneumonic	1
Antipolio	1
Antiprogestational	1
Antiproliferant	2
Antiproliferative	1
Antiprostaglandin	1
Antiprostataadenomic	1
Antiprostatitic	1
Antipruritic	2
Antipyretic	3
Antiradicular	1
Antirheumatalgic	1

Activity	Chemical Count
Antirheumatic	2
Antirhinitic	1
Antirhinoviral	1
Antisalmonella	4
Antiseptic	10
Antishock	1
Antisinusitic	1
Antispasmodic	14
Antistaphylococcic	5
Antisteatotic	1
Antistreptococcic	2
Antitachycardic	1
AntiTGF-beta	1
Antithromboxane	1
Antitrichinosic	1
Antitrypanosomic	1
Antitumor	5
Antitumor (brain)	2
Antitumor (Breast)	2
Antitumor (Cervix)	3
Antitumor (Colon)	2
Antitumor (Kidney)	1
Antitumor (Lung)	3
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Skin)	1
Antitumor (Stomach)	2

Activity	Chemical Count
Antitumor (Thyroid)	1
Antitumor-Promoter	1
Antitussive	3
Antiulcer	5
Antivaginitic	1
Antiviral	10
Antiyeast	2
Anxiolytic	1
Aphidifuge	1
Apoptotic	3
Aromatase-Inhibitor	3
Artemicide	2
Arteriodilator	1
Ataxigenic	1
Barbituate-Synergist	1
Beta-Blocker	1
Beta-Glucuronidase-Inhibitor	2
Bronchorelaxant	1
Calcium-Antagonist	2
Cancer-Preventive	7
Candidicide	8
Candidistat	1
Carcinogenic	1
Cardiodepressant	1
Cardioprotective	1
Cardiotonic	2
Carminative	3

Activity	Chemical Count
Caspase-8-Inducer	1
Cerebrotonic	1
Chemopreventive	2
Choleretic	5
Cholinergic	1
CNS-Depressant	3
CNS-Stimulant	3
CNS-Toxic	1
Coleoptophile	1
Convulsant	2
Cosmetic	3
Counterirritant	3
COX-2-Inhibitor	1
Culicide	2
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-Inducer	1
Cytotoxic	4
Decongestant	2
Degranulant	1
Deiodinase-Inhibitor	1
Deliriant	1
Dentifrice	3
Deodorant	1
Dermatitigenic	1
Differentiator	1
Diuretic	2
Ecboic	1

Activity	Chemical Count
Edemagenic	1
Elastase-Inhibitor	1
Emetic	1
Emmenagogue	1
Enterorelaxant	1
Enterotoxic	1
Epileptigenic	1
Estrogenic	3
Expectorant	10
Febrifuge	1
FLavor	18
Fungicide	12
GABA-nergic	1
Gastroirritant	1
Gastroprotective	2
Glucogonogenic	1
Gonadotrophic	1
Gram(+)icide	2
Gram(-)icide	2
Hemolytic	1
Hepatoprotective	7
Hepatotonic	1
Hepatotoxic	1
Herbicide	6
Hyaluronidase-Inhibitor	1
Hypercholesterolemic	1
Hypertensive	1

Activity	Chemical Count
Hypnotic	2
Hypocalcemic	1
Hypocholesterolemic	6
Hypocholesterolemic?	1
Hypoglycemic	3
Hypolipidemic	1
Hypotensive	5
Hypothermic	2
ICAM-1-Inhibitor	1
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	2
Immunostimulant	1
Inflammatory	1
Inhalant	1
iNOS-Inhibitor	1
Insect-Repellent	2
Insecticide	7
Insectifuge	15
Insectiphile	1
Insulinic	1
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	10
Keratitigenic	1
Lactagogue	1
Larvicide	3
Laxative	2

Activity	Chemical Count
Leucocytogenic	1
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	2
Lubricant	2
MAPK-Inhibitor	1
Memorigenic	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	2
Molluscicide	1
Mosquitocide	1
Mosquitofuge	1
Motor-Depressant	3
Mucolytic	1
Mucotropic	1
Mutagenic	1
Myorelaxant	7
Narcotic	1
Nematicide	8
NEP-Inhibitor	1
Neurolytic	1
Neurotoxic	1
NF-kB-Inhibitor	1
NO-Inhibitor	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	1
Osteolytic	1

Activity	Chemical Count
Ovulant	1
Oxytotic?	1
P450-2B1-Inhibitor	4
P450-Inducer	1
PAF-Inhibitor	1
Parasympathomimetic	1
Pediculicide	1
Perfume	1
Perfumery	14
Pesticide	28
Pheromone	1
Phytoalexin	1
Phytohormonal	1
Piscicide	1
Plasmodicide	1
Potassium-Sparing	1
Proliferant	1
Prooxidant	1
Propecic	2
Prostaglandin-Synthetase-Inhibitor	1
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	1
Protisticide	3
PTK-Inhibitor	1
Pyrogenic	1
Quinone-Reductase-Inducer	1
Respirainhibitor	1

Activity	Chemical Count
Respirastimulant	2
Rubefacient	4
Sclerosant	1
Secretagogue	1
Secretomotor	1
Sedative	11
Soap	1
Sodium-Sparing	1
Spasmogenic	5
Spermicide	2
Sprout-Inhibitor	1
Stimulant	1
Succinoxidase-Inhibitor	1
Suppository	1
Surfactant	2
Systolic-Depressant	1
Teratogenic	1
Termiticide	1
Termitifuge	1
Testosterone-Hydroxylase-Inducer	1
TNF-alpha-Inhibitor	1
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	2
Tracheorelaxant	1
Tranquilizer	2
Transdermal	4
Tremorolytic	1

Activity	Chemical Count
Trichomonicide	4
Trypanocide	1
Tumor-Promoter	1
Tyrosinase-Inhibitor	3
Ubiquiot	1
Ulcerogenic	3
Uricosuric	1
Urinary-Antiseptic	1
Varroacide	1
Vasodilator	2
Vasopressor	1
VEGF-Inhibitor	1
Vermicide	1
Verrucolytic	2
Vibriocide	1
Vulnerary	1
Xanthine-Oxidase-Inhibitor	1