

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Calendula officinalis***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	4
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acidulant	1
Adenylate-Cyclase-Activator?	1
Alcohol-Dehydrogenase-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	10
Allelochemic	3
Allelopathic	3
Allergenic	5
Alpha-Reductase-Inhibitor	1
Analgesic	9
Androgenic	1
Anemiagenic	1
Angiogenic	1

Activity	Chemical Count
Angiotensin-Receptor-Blocker	1
Anorexic	1
Anthelmintic	2
Antiacne	2
Antiadenomic	1
Antiadenoviral	1
Antiaflatoxin	2
AntiAGE	1
Antiaggregant	5
Antiaging	3
Antiallergic	6
Antialopepic	3
Antialzheimeran	3
Antianaphylactic	2
Antiandrogenic	4
Antianginal	2
Antiangiogenic	2
Antianxiety	1
Antiapoplectic	1
Antiarrhythmic	2

Activity	Chemical Count
Antiarteriosclerotic	1
Antiarthritic	6
Antiasthmatic	4
Antiatherogenic	2
Antiatherosclerotic	10
Antibacterial	18
Anticancer	7
Anticancer (Bladder)	1
Anticancer (Breast)	3
Anticancer (Cervix)	2
Anticancer (Colon)	1
Anticancer (Forestomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Prostate)	1
Anticancer (Skin)	1
Anticapillary-Fragility	1
Anticarcinogenic	2
Anticarcinomic	1
Anticarcinomic (Breast)	1

Activity	Chemical Count
Anticariogenic	4
Anticataract	4
Anticervicaldysplasic	1
AntiCFS	1
Anticlastogen	2
Anticlimacteric	2
Anticold	1
Anticolitic	1
Anticolitic?	1
Anticomplement	1
Anticomplementary	1
Anticonvulsant	2
Anticoronary	1
AntiCrohn's	2
AntiCRP	1
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	1
Antidecubitic	1

Activity	Chemical Count
Antidementia	3
Antidepressant	4
Antidermatitic	3
Antidermatotic	1
Antidiabetic	6
Antidiarrheic	2
Antidote (Aluminum)	2
Antidote (Cadmium)	1
Antidote (Lead)	2
Antidote (Paraquat)	1
Antidysenteric	1
AntiEBV	2
Antieczemic	3
Antiedemic	11
Antielastase	2
Antiencephalitic	2
Antiendometriotic	1
Antierythemic	1
Antiescherichic	2
Antiestrogenic	2

Activity	Chemical Count
Antifatigue	2
Antifeedant	6
Antifertility	4
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrotic	1
Antiflu	3
Antigallstone	1
Antigastric	1
Antigastritic	1
Antigenotoxic	1
Antigingivitic	4
Antiglaucomic	2
Antigonadotrophic	1
Antigonadotropic	3
Antigranular	1
AntiGTF	1
Antihangover	1
Antihematuric	1

Activity	Chemical Count
Antihemolytic	2
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	1
Antihepatoadenomic	1
Antihepatotoxic	9
Antiherpetic	6
Antihistaminic	7
AntiHIV	5
Antihydrophobic	1
Antihypercholesterolemic	2
Antihyperglycemic	1
Antihyperkinetic	1
Antihyperlipidemic	1
Antihyperlipoproteinaemic	1
Antihypertensive	5
Antihyperthyroid	2
Antiichthyosic	1
Antiimplantation	1
Antiinfarctal	1

Activity	Chemical Count
Antiinfertility	2
Antiinflammatory	21
Antiinsomniac	1
Antiischemic	3
AntiLegionella	2
Antileishmanic	2
Antileptic	1
Antileukemic	7
Antileukotriene	4
Antileukotriene-D4	2
Antilipolytic	1
Antilipoperoxidant	1
Antilithic	2
AntiLyme	1
Antilymphocytic	1
Antilymphomic	1
Antimaculitic	3
Antimalarial	4
Antimeasles	1
Antimelanogenic	2

Activity	Chemical Count
Antimelanomic	2
Antimenopausal	2
Antimenorrhagic	1
Antimetastatic	2
Antimigraine	1
AntiMS	1
Antimutagenic	10
Antimyocarditic	1
Antinephritic	3
Antineuralgic	1
Antineuramidase	1
Antineuropathic	1
Antinitrosaminic	4
Antinitrosic	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	2
Antiobesity?	1
Antioncycomycotic	1
Antionychyotic	1

Activity	Chemical Count
Antiophidic	4
Antiorchitic	1
Antiosteoarthritic	1
Antiosteoporotic	2
Antiosteoporotic?	1
Antioxalate	1
Antioxidant	28
Antioxidant Synergist	1
Antipancreatic	1
Antiparkinsonian	2
Antiparotitic	1
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	9
AntiPGE2	1
Antipharyngitic	1

Activity	Chemical Count
Antiplatelet	3
Antiplasmodial	2
Antiplatelet	1
AntiPMS	2
Antipneumonic	1
Antipodagric	1
Antipodriac	2
Antipolio	2
Antipoliomyelitic	1
Antiprogestational	1
Antiproliferant	5
Antiprostaglandin	4
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	4
Antiprotozoal	1
Antipsoriac	2
Antipurpuric	1
Antipyretic	3
Antiradicular	14

Activity	Chemical Count
AntiRaynaud's	1
Antirenitic	1
Antiretinitic Optometry	1
Antiretinotic	2
Antirheumatic	6
Antirhinitic	1
Antisarcomic	1
Antiscorbutic	1
Antiseborrheic	2
Antiseptic	9
Antiserotonin	1
Antishingles	1
Antisickling	2
Antispasmodic	7
Antistaphylococcic	3
Antistomatitic	1
Antistreptococcic	2
Antistress	2
Antistroke	1
Antisunburn	3

Activity	Chemical Count
Antisyndrome-X	1
AntiTGF-beta	1
Antithiamin	2
Antithrombic	1
Antithrombogenic	1
Antithyroid	3
Antitic	1
Antitrypanosomic	2
Antitubercular	1
Antitumor	17
Antitumor (Bladder)	3
Antitumor (Breast)	5
Antitumor (Cervix)	2
Antitumor (Colon)	4
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	4
Antitumor (Ovary)	1

Activity	Chemical Count
Antitumor (Pancreas)	1
Antitumor (Prostate)	2
Antitumor (Skin)	3
Antitumor (Stomach)	1
Antitumor-Promoter	8
Antitympanitic	1
Antiulcer	10
Antiulcerogenic	1
Antiurethrotic	1
Antivaccinia	1
Antivaricose	1
Antiviral	13
Anxiolytic	2
Apoptotic	5
Aromatase-Inhibitor	2
Artemicide	2
Ascaricide	1
Asthma-preventive	1
ATPase-Inhibitor	1
Autotoxic	1

Activity	Chemical Count
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	1
Beta-Glucuronidase-Inhibitor	2
Bifidogenic	1
Bradycardiac	1
Bruchiphobe	1
Calcium-Antagonist	2
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	20
Candidicide	4
Capillariprotective	2
Carcinogenic	5
Cardioprotective	5
Cardiotonic	1
Caspase-8-Inducer	1
Catabolic	2
Chelator	1

Activity	Chemical Count
Chemopreventive	4
Chemopreventive (Breast Cancer)	1
Chemopreventive (Colon Cancer)	1
Cholagogue	2
Choleretic	6
Circulotonic	1
Clastogenic	2
CNS-Active	2
CNS-Stimulant	1
Co-carcinogenic	1
Cold-preventive	1
Collagen-Sparing	2
Collagenic	1
Colorant	4
Comedolytic	2
COMT-Inhibitor	1
Copper-Chelator	2
Cosmetic	1
COX-1-Inhibitor	1
COX-2-Inhibitor	6

Activity	Chemical Count
Cyclooxygenase-Inhibitor	6
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	2
Cytotoxic	6
Deiodinase-Inhibitor	1
Demulcent	1
Dermatitigenic	2
Detoxicant	1
Diaphoretic?	3
Differentiator	1
Diuretic	6
DNA-Active	1
DNA-Protective	1
Elastase-Inhibitor	1
Estrogenic	4
Estrogenic?	1
Expectorant	1
Febrifuge	1
Fistula-Preventive	1
FLavor	3

Activity	Chemical Count
FPTase-Inhibitor	1
Fungicide	8
Fungistat	1
Gastroprotective	3
Gastrostimulant	1
Glucosyl-Transferase-Inhibitor	2
Gonadotrophic	1
Hemolytic	1
Hemopoietic	1
Hemostat	2
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	12
Hepatotropic	1
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hypercholesterolemic	3
Hypocholesterolemic	12
Hypoglycemic	6
Hypolipemic	1

Activity	Chemical Count
Hypolipidemic	1
Hypotensive	6
ICAM-1-Inhibitor	1
Immunomodulator	5
Immunostimulant	5
Immunosuppressant	3
iNOS-Inhibitor	2
Inotropic	2
Insecticide	1
Insectifuge	7
Insectiphile	1
Insulinogenic	1
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	2
JNK-Inhibitor	1
Juvabional	3
Keratolytic	1
Larvicide	2
Larvostat	3

Activity	Chemical Count
Laxative	3
Laxative?	1
Leucocytogenic	1
Leukotriene-Inhibitor	2
Lipolytic	1
Lipoxygenase-Inhibitor	7
Lithogenic	1
Lubricant	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Mosquitocide	2
Mucolytic	1
Mutagenic	3

Activity	Chemical Count
Mycobactericide	1
Myoprotective	1
Myorelaxant	1
NADH-Oxidase-Inhibitor	1
Natriuretic	2
Nematicide	3
NEP-Inhibitor	1
Neuroprotective	2
NF-kB-Inhibitor	2
NO-Genic	1
NO-Inhibitor	3
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	4
Oviposition-Stimulant	2
Ovulant	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	2
Percutaneostimulant	1
Perfumery	2

Activity	Chemical Count
Pesticide	18
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
Phytoalexin	1
Piscicide	1
PKC-Inhibitor	1
Plasmodicide	1
Prebiotic	1
Probiotic	1
Probiotigenic	1
Proliferant	1
Prooxidant	3
Propepic	3
Prostaglandigenic	3
Prostaglandin-Synthesis-Inhibitor	3
Protein-Kinase-C-Inhibitor	1
Protisticide	2
Psychotropic	1
PTK-Inhibitor	1

Activity	Chemical Count
Quinone-Reductase-Inducer	3
Radioprotective	1
Retinoprotectant Optometry	1
Secretagogue	1
Sedative	4
Sialogogue	1
Soap	2
Spermicide	1
Sunscreen	3
Sweetener	2
Teratologic	2
Termitifuge	1
Thermogenic	1
Tineacide	1
TNF-alpha-Inhibitor	2
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Tranquilizer	1
Tumorigenic	2

Activity	Chemical Count
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	6
Ulcerogenic	2
Uricosuric	1
Urinary-Acidulant	1
Uterotonic	1
Uterotrophic	1
Vasodilator	5
Vasopressor	2
VEGF-Inhibitor	1
Vulnerary	3
Xanthine-Oxidase-Inhibitor	3