

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Centella asiatica*

Activity	Chemical Count
Pesticide	33
Cancer-Preventive	21
Antibacterial	20
Antiinflammatory	19
Antioxidant	16
FLavor	16
Antispasmodic	14
Perfumery	14
Antiulcer	13
Insectifuge	13
Hypocholesterolemic	13
Antitumor	12
Allergenic	12
Antiseptic	11
Antiviral	11
Antiacne	11
Sedative	11
Antimutagenic	11
Aldose-Reductase-Inhibitor	10
Hypotensive	10
Irritant	10
Antifeedant	9
Nematicide	9
Fungicide	9
Antiarthritic	9
Apoptotic	9
Antidiabetic	9

Activity	Chemical Count
Cardioprotective	8
Antileukemic	8
Analgesic	8
Antiedemic	8
Vasodilator	8
Immunomodulator	8
Expectorant	8
Antiosteoporotic	7
Antiobesity	7
Hypoglycemic	7
Anticancer	7
Diuretic	7
Antiradicular	7
Antihypertensive	7
Anticariogenic	7
Anticataract	7
Antitumor (Lung)	6
Antiprostatic	6
Antiasthmatic	6
Antihepatotoxic	6
ACE-Inhibitor	6
Immunostimulant	6
Antiatherosclerotic	6
AntiHIV	6
Anxiolytic	6
Antidepressant	6
Antihistaminic	6

Activity	Chemical Count
Antisyndrome-X	6
Hepatoprotective	6
Antiallergic	6
Antitumor (Breast)	5
Antirheumatic	5
Trichomonicide	5
AntiLyme	5
Herbicide	5
Antialzheimeran	5
Insecticide	5
Antiepileptic	5
Antilithic	5
Estrogenic	5
Antiaggregant	5
Antimelanomic	5
Transdermal	5
Antialopepic	5
Candidicide	5
Antifatigue	5
Antiproliferant	5
CNS-Depressant	5
Anticoronary	5
Antinociceptive	5
Tranquilizer	5
AntiPMS	5
Carcinogenic	5
Antidementia	4

Activity	Chemical Count
Antiaging	4
Insulinogenic	4
Anticlimacteric	4
Prooxidant	4
Antialcoholic	4
Antilymphomic	4
Ornithine-Decarboxylase-Inhibitor	4
Antihangover	4
Antiandrogenic	4
Antitumor-Promoter	4
Antimenopausal	4
Motor-Depressant	4
Anticonvulsant	4
Spasmogenic	4
Chemopreventive	4
Antiherpetic	4
Antiplatelet	4
Antistress	4
Propecic	4
Antitumor (Prostate)	4
Antifertility	4
Antimetastatic	4
Antitumor (Colon)	4
5-Alpha-Reductase-Inhibitor	4
Antigastric	4
Antimaculitic	4
Vulnerary	4

Activity	Chemical Count
Cytotoxic	4
Antimigraine	4
Ubiquit	3
Collagenic	3
Anthelmintic	3
AntiRaynaud's	3
TNF-alpha-Inhibitor	3
Antistreptococcic	3
Hypertensive	3
Anticervicaldysplasic	3
Cyclooxygenase-Inhibitor	3
Anticanker	3
Antiophidic	3
Mucogenic	3
Topoisomerase-II-Inhibitor	3
Antiarrhythmic	3
Antiangiogenic	3
Lipoxygenase-Inhibitor	3
Allelopathic	3
Uterorelaxant	3
Antiinsomniac	3
Insectiphile	3
AntiCrohn's	3
Antiflu	3
Anticolitic	3
P450-Inducer	3
Antileukotriene-D4	3

Activity	Chemical Count
NF-kB-Inhibitor	3
Antidote (Lead)	3
Antiperiodontitic	3
Antileptic	3
Antiparkinsonian	3
Calcium-Antagonist	3
Myorelaxant	3
Acaricide	3
Antiadenomic	3
Antiacetylcholinesterase	3
AntiCFS	3
Allelochemic	3
Neuroprotective	3
Antidecubitic	3
Antiencephalopathic	3
Antifibrotic	3
P450-2B1-Inhibitor	3
Angiotensin-Receptor-Blocker	3
Hypothermic	3
Antieczemic	3
Antineuralgic	3
Antianaphylactic	3
Laxative	3
Antidiarrheic	3
COX-2-Inhibitor	3
Antiestrogenic	2
Antigingivitic	2

Activity	Chemical Count
Inotropic	2
Emetic	2
Stomachic	2
Mosquitofuge	2
Antielastase	2
Antipodriac	2
Diaphoretic?	2
Antianxiety	2
Lubricant	2
Antimyocarditic	2
Protisticide	2
Antianemic	2
VEGF-Inhibitor	2
Juvabional	2
Candidistat	2
Uricosuric	2
Antidermatitic	2
Cosmetic	2
Antiinfertility	2
Antitumor (Pancreas)	2
Antipsoriac	2
Antimenorrhagic	2
Antidandruff	2
Antiaflatoxin	2
11B-HSD-Inhibitor	2
Antirhinoviral	2
CNS-Stimulant	2

Activity	Chemical Count
Antiencephalitic	2
Antipoliomyelitic	2
Anticold	2
Antineuropathic	2
Choleretic	2
Antiplasmodial	2
Detoxicant	2
MAO-Inhibitor	2
Anticheilitic	2
Carminative	2
Antistroke	2
Antidysenteric	2
HIV-RT-Inhibitor	2
Antidote (Cadmium)	2
AntiMS	2
Antifibrinolytic	2
cAMP-Phosphodiesterase-Inhibitor	2
Antiosteoarthritic	2
Anticancer (Cervix)	2
Mutagenic	2
5-Lipoxygenase-Inhibitor	2
Glucosyl-Transferase-Inhibitor	2
Peristaltic	2
Antihyperkinetic	2
iNOS-Inhibitor	2
Antiendometriotic	2
Antimalarial	2

Activity	Chemical Count
Cicatrizant	2
Anorexic	2
Antipneumonic	2
Anticirrhotic	2
Antiphotophobic	2
Teratologic	2
Hyperglycemic	2
Xanthine-Oxidase-Inhibitor	2
Protein-Kinase-C-Inhibitor	2
Anticephalagic	2
Copper-Chelator	2
Antitumor (Ovary)	2
Antipruritic	2
Anticancer (Pancreas)	2
Antiglaucomic	2
Antitumor (Cervix)	2
Encephalopathic	2
Beta-Blocker	2
Antigallstone	2
Tumor-Promoter	2
Antinitrosaminic	2
Topoisomerase-I-Inhibitor	2
Anesthetic	2
Hypolipidemic	2
Antilipoperoxidant	2
NO-Inhibitor	2
Hyperthermic	2

Activity	Chemical Count
Antianginal	2
Antidote (Aluminum)	2
Antipellagic	2
Hemostat	2
Interleukin-6-Inhibitor	2
Antipyretic	2
Anticarcinomic	2
AntiAGE	2
Tyrosinase-Inhibitor	2
Immunosuppressant	2
Cholesterolytic	2
Antitriglyceride	2
Antiartherosclerotic	2
Artemicide	2
Quinone-Reductase-Inducer	2
Antianorectic	2
Antileukotriene	2
Antistaphylococcic	2
Hypercholesterolemic	2
Prostaglandin-Synthesis-Inhibitor	2
Antitumor (Stomach)	2
Copper-Antagonist	1
Phospholipase-A2-Inhibitor	1
Antiimpotence	1
Anticancer (Lung)	1
AntiMeniere's	1
Bronchorelaxant	1

Activity	Chemical Count
Mycobactericide	1
Abortifacient	1
Antiscotomic	1
Gonadotrophic	1
AntiCTS	1
Antiacrodynic	1
Antihyperlipoproteinaemic	1
Antienteritic	1
Antiprolactin	1
Antiberiberi	1
Antimange	1
Beta-Adrenergic Receptor Blocker	1
Antifuruncular	1
Fungiphilic	1
Anticomplementary	1
AntiNF-kB	1
Circulotonic	1
P450-Inhibitor	1
Antihydrophobic	1
Antitubercular	1
ICAM-1-Inhibitor	1
Soap	1
Asthma-preventive	1
Memory-Enhancer	1
Fibrinolytic	1
Antineurasthenic	1
Chelator	1

Activity	Chemical Count
Osteogenic	1
Anemiagenic	1
Antithrombic	1
Antidysmenorrheic	1
Antipityriasic	1
Dermagenic	1
Respirastimulant	1
Antilipolytic	1
AP-1-Inhibitor	1
Ergogenic	1
Termiticide	1
NO-Genic	1
Amebicide	1
Antiheartburn	1
Antidote (Mercury)	1
Antiperistaltic	1
Deiodinase-Inhibitor	1
Antivertigo	1
Lipolytic	1
Antigonadotropic	1
Antispare-Tire	1
Antidote	1
Antiparotitic	1
Antikeratitic	1
Antitussive	1
Antifibrositic	1
Anticardiospasmic	1

Activity	Chemical Count
Antimitral-valve-prolapse	1
Neuroinhibitor	1
Photosensitizer	1
Interferonogenic	1
Calcium-Channel-Blocker	1
NADH-Oxidase-Inhibitor	1
Antigliomic	1
Antiserotonin	1
Hemolytic	1
Comedolytic	1
Phagocytotic	1
Antihypoglycemic	1
Antitumor (CNS)	1
Antiprostaglandin	1
Energizer	1
Antimastitic	1
Beta-Glucuronidase-Inhibitor	1
Antigastric	1
GABA-nergic	1
Tumorigenic	1
Anticorneotic	1
Antinitrosic	1
Percutaneostimulant	1
Antiacid	1
Antihyperammonemic	1
Spermicide	1
ATPase-Inhibitor	1

Activity	Chemical Count
Metalloproteinase-Inhibitor	1
Antiretardation	1
Flatugenic	1
Ozone-Scavenger	1
Angiogenic	1
Antiherpetic?	1
Antitinnitic	1
Antidysphagic	1
Rubefacient	1
Aromatase-Inhibitor	1
Testosterone-Inducer	1
Antinephrolytic	1
NO-Synthase-Inhibitor	1
Antihemorrhagic	1
Hypnotic	1
Antiperoxidant	1
Demulcent	1
PTK-Inhibitor	1
Antileukoplakic	1
Antiviral?	1
Sweetener	1
Antigranular	1
Antispasmophilic	1
Vibriocide	1
Antiperiodontal	1
Cytochrome-P450-Inducer	1
Prostaglandin-Sparer	1

Activity	Chemical Count
Antiamblyopic	1
Antiketotic	1
Antiulcerogenic	1
Larvostat	1
Anticarpal-Tunnel	1
Capillariprotective	1
Neurotoxic	1
Antiglutamaergic	1
Antishock	1
Hepatomagenic	1
Antidiabetic?	1
Antipancreatic	1
COX-1-Inhibitor	1
Plasmodicide	1
Antialkali?	1
Antitumor (Skin)	1
Iodothyronine-Deiodinase-Inhibitor	1
Anticarcinomic (Breast)	1
Antimetastatic (Stomach)	1
AChE-Inhibitor	1
Antideliriant	1
Convulsant	1
Pheromone	1
Antiimplantation	1
Antitumor (Gastric)	1
Antiesophagitic	1
Antiprostataadenomic	1

Activity	Chemical Count
Epileptogenic	1
Bronchoprotectant	1
Antigastrotic	1
Antiscorbutic	1
Tyrosine-Kinase-Inhibitor	1
Antinyctalopic	1
Coleoptophile	1
Antiacrodermatitic	1
Antitumor (brain)	1
Antiprogestational	1
Embryotoxic	1
Stimulant	1
Barbituate-Synergist	1
MMP-9-Inhibitor	1
Antiretinotic	1
Antineurotic	1
Antitrypanosomic	1
Hypouricemic	1
Diaphoretic	1
Serotoninergic	1
Antilupus	1
Ascaricide	1
Memorigenic	1
Febrifuge	1
Thymoprotective	1
Antineuramidase	1
Catabolic	1

Activity	Chemical Count
Androgenic?	1
Antihepatomic	1
Antithiamin	1
Hypocholesterolemic?	1
Antidyskinetic	1
Depressant	1
Respirainhibitor	1
Antianorexic	1
Litholytic	1
Antimyalgic	1
Cardiomyopathogenic	1
Alpha-Reductase-Inhibitor	1
Antistomatitic	1
Decongestant	1
Antivaricose	1
Leptingenic	1
Aldehyde-Oxidase-Inhibitor	1
Antigonadotrophic	1
Antisilicotic	1
Hepatotoxic	1
Antidiscotic	1
Culicide	1
Proliferant	1
Antikeloid	1
JNK-Inhibitor	1
Antifibrosarcomic	1
Anticarcinomic (Lung)	1

Activity	Chemical Count
Antimite	1
Neuroexcitant	1
Antiototic	1
Phospholipase-Inhibitor	1
Antiakathisic	1
Antiinfective	1
Interferon-Synergist	1
GST-Inducer	1
Ulcerogenic	1
Anticystitic	1
Antionychyotic	1
Colorant	1
PGE2-Inhibitor	1
Insect-Repellent	1
Antienterotic	1
AntiBPH	1
Antimastalgic	1
Antirhinitic	1
Fungistat	1
PAF-Inhibitor	1
Antihyperactivity	1
Antituberculic	1
Antiemetic	1
Antipolio	1
Differentiator	1
Antiatheromic	1
Antilymphocytic	1

Activity	Chemical Count
Astringent	1
Metal-Chelator (Copper)	1
Antirenitic	1
Fistula-Preventive	1
Anticoeliac	1
Antineuritic	1
Ovulant	1
Antitic	1
Antidyspeptic	1
Dermatitigenic	1
Roborant	1
Antiarabiflavinoctic	1
MAO-A-Inhibitor	1
Erythrocytogenic	1
Termitifuge	1
Antinephritic	1
Cardiotoxic	1
Amphiglycemic?	1
Antihelicobacter	1
Antidote (Paraquat)	1
Antipermeability	1
Deliriant	1
Psychotropic	1
Antileukonychic	1
Lipotropic	1
Suppository	1
Antigout	1

Activity	Chemical Count
Histaminic	1
Verrucolytic	1
Cytochrome-P450-1A2-Inhibitor	1
Antialzheimeran?	1
Antikeshan	1
Larvicide	1
Antimorphinic	1
Capillarigenic	1
Urinary-Acidulant	1
Antiozenic	1
Counterirritant	1
Pilogenic	1
Antialdosteronic	1
Calmodulin-Antagonist	1
Natriuretic	1
Acetylcholinergic	1
Antiglossitic	1
Antishingles	1
Antiorchitic	1
COMT-Inhibitor	1
Pheromonal	1
Antiichthyotic	1
Antiescherichic	1
Antiprostanoid	1
Enterocontractant	1
Anticancer (Breast)	1
Antimeasles	1

Activity	Chemical Count
Bradycardiac	1
Mucolytic	1
Antisalmonella	1
Gastroprotective	1
Cold-preventive	1
Antihyperkeratotic	1
Antitumor (Bladder)	1
Antiporphyrin	1
Ecboic	1
Spermigenic	1
Antibackache	1
Bacteristat	1
Metastatic	1
Antiretinopathic	1
Anticolic	1
Antineuropathic?	1
Detoxicant (Alcohol)	1
Antilithic?	1
Mast-Cell-Stabilizer	1
Testosteronigenic	1
Antichilblain	1
Caspase-8-Inducer	1
Occuloirritant	1
Androgenic	1
Antihepatitic	1
Antidysgeuzic	1
Antipharyngitic	1

Activity	Chemical Count
Deodorant	1
Antixerophthalmic	1
Lithogenic	1
Taenicide	1
Neurotransmitter	1
AntiGTF	1
Antidote (Hypoglycin-A)	1
Antiperiodontic	1
Antileishmanic	1
Antivaginitic	1
Antiglycosuric	1
Antisickling	1
Uterotrophic	1
Antipapillomic	1
Polyamine-Synthesis-Inhibitor	1
Antiinsomnic	1
Antifibromyalgic	1
Anticarcinomic (Colon)	1
NEP-Inhibitor	1
Acidulant	1