

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

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	4
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Acaricide	3
ACE-Inhibitor	6
Acetylcholinergic	1
AChE-Inhibitor	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	10
Allelochemic	3
Allelopathic	3
Allergenic	12
Alpha-Reductase-Inhibitor	1
Amebicide	1
Amphiglycemic?	1
Analgesic	8
Androgenic	1
Androgenic?	1
Anemiagenic	1
Anesthetic	2
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Anthelmintic	3
Antiacetylcholinesterase	3

Activity	Chemical Count
Antiacid	1
Antiacne	11
Antiacrodermatitic	1
Antiacrodynic	1
Antiadenomic	3
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	5
Antiaging	4
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antiallergic	6
Antialopepic	5
Antialzheimeran	5
Antialzheimeran?	1
Antiamblyopic	1
Antianaphylactic	3
Antiandrogenic	4
Antianemic	2
Antianginal	2
Antiangiogenic	3
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiarabiflavinotic	1

Activity	Chemical Count
Antiarrhythmic	3
Antiarteriosclerotic	2
Antiarthritic	9
Antiasthmatic	6
Antiatheromic	1
Antiatherosclerotic	6
Antibackache	1
Antibacterial	20
Antiberiberi	1
AntiBPH	1
Anticancer	7
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Lung)	1
Anticancer (Pancreas)	2
Anticanker	3
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticarcinomic (Colon)	1
Anticarcinomic (Lung)	1
Anticardiospasmic	1
Anticariogenic	7
Anticarpal-Tunnel	1
Anticataract	7
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3

Activity	Chemical Count
Anticheilitic	2
Antichilblain	1
Anticirrhotic	2
Anticlimacteric	4
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticomplementary	1
Anticonvulsant	4
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
Anticystitic	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	4
Antidepressant	6
Antidermatitic	2
Antidiabetic	9
Antidiabetic?	1
Antidiarrheic	3
Antidiscotic	1
Antidote	1
Antidote (Aluminum)	2

Activity	Chemical Count
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidysenteric	2
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrhic	1
Antidyspeptic	1
Antidysphagic	1
Antieczemic	3
Antiedemic	8
Antielastase	2
Antiemetic	1
Antiencephalitic	2
Antiencephalopathic	3
Antiendometriotic	2
Antienteritic	1
Antienterotic	1
Antiepileptic	5
Antiescherichic	1
Antiesophagitic	1
Antiestrogenic	2
Antifatigue	5
Antifeedant	9
Antifertility	4

Activity	Chemical Count
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrositic	1
Antifibrotic	3
Antiflu	3
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	4
Antigastrotic	1
Antigingivitic	2
Antiglaucomic	2
Antigliomic	1
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	1
Antigout	1
Antigranular	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihelicobacter	1
Antihemorrhagic	1
Antihepatitic	1

Activity	Chemical Count
Antihepatomic	1
Antihepatotoxic	6
Antiherpetic	4
Antiherpetic?	1
Antihistaminic	6
AntiHIV	6
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	7
Antihypoglycemic	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiinfective	1
Antiinfertility	2
Antiinflammatory	19
Antiinsomniac	3
Antiinsomnic	1
Antikeloid	1
Antikeratitic	1
Antikeshan	1
Antiketotic	1
Antileishmanic	1

Activity	Chemical Count
Antileptic	3
Antileukemic	8
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	2
Antileukotriene-D4	3
Antilipolytic	1
Antilipoperoxidant	2
Antilithic	5
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	4
Antimaculitic	4
Antimalarial	2
Antimange	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanomic	5
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	2
Antimetastatic	4
Antimetastatic (Stomach)	1
Antimigraine	4

Activity	Chemical Count
Antimite	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	2
Antimutagenic	11
Antimyalgic	1
Antimyocarditic	2
Antinephritic	1
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	2
Antineuropathic?	1
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	2
Antinitrosic	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	7
Antionychyotic	1
Antiophidic	3
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	7

Activity	Chemical Count
Antiototic	1
Antioxidant	16
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	2
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	3
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	1
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplateque	4
Antiplasmodial	2
AntiPMS	5
Antipneumonic	2
Antipodriac	2
Antipolio	1
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1

Activity	Chemical Count
Antiproliferant	5
Antiprostaglandin	1
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	6
Antipruritic	2
Antipsoriac	2
Antipyretic	2
Antiradicular	7
AntiRaynaud's	3
Antirenitic	1
Antiretardation	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatic	5
Antirhinitic	1
Antirhinoviral	2
Antisalmonella	1
Antiscorbatic	1
Antiscotomic	1
Antiseptic	11
Antiserotonin	1
Antishingles	1
Antishock	1
Antisickling	1
Antisilicotic	1
Antispare-Tire	1

Activity	Chemical Count
Antispasmodic	14
Antispasmophilic	1
Antistaphylococcic	2
Antistomatitic	1
Antistreptococcic	3
Antistress	4
Antistroke	2
Antisyndrome-X	6
Antithiamin	1
Antithrombic	1
Antitic	1
Antitinnitic	1
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	1
Antituberculic	1
Antitumor	12
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	5
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Gastric)	1
Antitumor (Lung)	6
Antitumor (Ovary)	2
Antitumor (Pancreas)	2

Activity	Chemical Count
Antitumor (Prostate)	4
Antitumor (Skin)	1
Antitumor (Stomach)	2
Antitumor-Promoter	4
Antitussive	1
Antiulcer	13
Antiulcerogenic	1
Antivaginitic	1
Antivaricose	1
Antivertigo	1
Antiviral	11
Antiviral?	1
Antixerophthalmic	1
Anxiolytic	6
AP-1-Inhibitor	1
Apoptotic	9
Aromatase-Inhibitor	1
Artemicide	2
Ascaricide	1
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Bacteristat	1
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1

Activity	Chemical Count
Bradycardiac	1
Bronchoprotectant	1
Bronchorelaxant	1
Calcium-Antagonist	3
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	21
Candidicide	5
Candidistat	2
Capillarigenic	1
Capillariprotective	1
Carcinogenic	5
Cardiomyopathogenic	1
Cardioprotective	8
Cardiotoxic	1
Carminative	2
Caspase-8-Inducer	1
Catabolic	1
Chelator	1
Chemopreventive	4
Choleretic	2
Cholesterolytic	2
Cicatrizant	2
Circulotonic	1
CNS-Depressant	5
CNS-Stimulant	2

Activity	Chemical Count
Cold-preventive	1
Coleoptophile	1
Collagenic	3
Colorant	1
Comedolytic	1
COMT-Inhibitor	1
Convulsant	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	2
Counterirritant	1
COX-1-Inhibitor	1
COX-2-Inhibitor	3
Culicide	1
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	1
Cytotoxic	4
Decongestant	1
Deiodinase-Inhibitor	1
Deliriant	1
Demulcent	1
Deodorant	1
Depressant	1
Dermagenic	1
Dermatitigenic	1
Detoxicant	2

Activity	Chemical Count
Detoxicant (Alcohol)	1
Diaphoretic	1
Diaphoretic?	2
Differentiator	1
Diuretic	7
Ecbolic	1
Embryotoxic	1
Emetic	2
Encephalopathic	2
Energizer	1
Enterocontractant	1
Epileptigenic	1
Ergogenic	1
Erythrocytogenic	1
Estrogenic	5
Expectorant	8
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	16
Fungicide	9
Fungiphilic	1
Fungistat	1
GABA-nergic	1
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	2

Activity	Chemical Count
Gonadotrophic	1
GST-Inducer	1
Hemolytic	1
Hemostat	2
Hepatomagenic	1
Hepatoprotective	6
Hepatotoxic	1
Herbicide	5
Histaminic	1
HIV-RT-Inhibitor	2
Hypercholesterolemic	2
Hyperglycemic	2
Hypertensive	3
Hyperthermic	2
Hypnotic	1
Hypocholesterolemic	13
Hypocholesterolemic?	1
Hypoglycemic	7
Hypolipidemic	2
Hypotensive	10
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	1
Immunomodulator	8
Immunostimulant	6
Immunosuppressant	2
iNOS-Inhibitor	2

Activity	Chemical Count
Inotropic	2
Insect-Repellent	1
Insecticide	5
Insectifuge	13
Insectiphile	3
Insulinogenic	4
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	10
JNK-Inhibitor	1
Juvabional	2
Larvicide	1
Larvostat	1
Laxative	3
Leptinogenic	1
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	3
Lithogenic	1
Litholytic	1
Lubricant	2
MAO-A-Inhibitor	1
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Memorigenic	1

Activity	Chemical Count
Memory-Enhancer	1
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Mosquitofuge	2
Motor-Depressant	4
Mucogenic	3
Mucolytic	1
Mutagenic	2
Mycobactericide	1
Myorelaxant	3
NADH-Oxidase-Inhibitor	1
Natriuretic	1
Nematicide	9
NEP-Inhibitor	1
Neuroexcitant	1
Neuroinhibitor	1
Neuroprotective	3
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	4

Activity	Chemical Count
Osteogenic	1
Ovulant	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	3
P450-Inducer	3
P450-Inhibitor	1
PAF-Inhibitor	1
Percutaneostimulant	1
Perfumery	14
Peristaltic	2
Pesticide	33
PGE2-Inhibitor	1
Phagocytotic	1
Pheromonal	1
Pheromone	1
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Photosensitizer	1
Pilogenic	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Proliferant	1
Prooxidant	4
Propecic	4
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Protein-Kinase-C-Inhibitor	2

Activity	Chemical Count
Protistocide	2
Psychotropic	1
PTK-Inhibitor	1
Quinone-Reductase-Inducer	2
Respirainhibitor	1
Respirastimulant	1
Roborant	1
Rubefacient	1
Sedative	11
Serotoninergic	1
Soap	1
Spasmogenic	4
Spermicide	1
Spermigenic	1
Stimulant	1
Stomachic	2
Suppository	1
Sweetener	1
Taenicide	1
Teratologic	2
Termiticide	1
Termitifuge	1
Testosterone-Inducer	1
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	3
Topoisomerase-I-Inhibitor	2

Activity	Chemical Count
Topoisomerase-II-Inhibitor	3
Tranquilizer	5
Transdermal	5
Trichomonicide	5
Tumor-Promoter	2
Tumorigenic	1
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Ubiquitot	3
Ulcerogenic	1
Uricosuric	2
Urinary-Acidulant	1
Uterorelaxant	3
Uterotrophic	1
Vasodilator	8
VEGF-Inhibitor	2
Verrucolytic	1
Vibriocide	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	2