

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

<b>Activity</b>	<b>Chemical Count</b>
11B-HSD-Inhibitor	3
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
ACE-Inhibitor	3
Acetylcholinergic	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	10
Allelochemic	2
Allelopathic	2
Allergenic	4
Amphiglycemic?	1
Analgesic	8
Androgenic	1
Androgenic?	1
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2

<b>Activity</b>	<b>Chemical Count</b>
Anthelmintic	2
Antiacne	5
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	1
Antiadenoviral	1
Antiadenovirus	1
Antiaflatoxin	3
AntiAGE	2
Antiaggregant	9
Antiaging	6
Antiakathisic	1
Antialcoholic	4
Antiallergenic	1
Antiallergic	9
Antialopepic	1
Antialzheimeran	7
Antiamblyopic	1
Antianaphylactic	2

<b>Activity</b>	<b>Chemical Count</b>
Antiandrogenic	1
Antianemic	2
Antianginal	2
Antiangiogenic	6
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiapoplectic	1
Antiarabiflavinotic	1
Antiarrhythmic	5
Antiarteriosclerotic	1
Antiarthritic	8
Antiasthmatic	6
Antiatherogenic	3
Antiatherosclerotic	7
Antibackache	1
Antibacterial	16
Antiberiberi	1
AntiBPH	1
Antibronchitic	1

<b>Activity</b>	<b>Chemical Count</b>
Anticancer	8
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Forestomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	2
Anticancer (Skin)	1
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	3
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	2
Anticarpal-Tunnel	1
Anticataract	9
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3

<b>Activity</b>	<b>Chemical Count</b>
Anticheilitic	2
Antichilblain	1
Antichoreic	1
Anticirrhotic	2
Anticlastogen	2
Anticlimacteric	4
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	4
Anticonvulsant	3
Anticorneotic	1
Anticoronary	4
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Anticystitic	1
Antidandruff	2
Antidecubitic	3

<b>Activity</b>	<b>Chemical Count</b>
Antideliriant	1
Antidementia	7
Antidepressant	7
Antidermatic	1
Antidermatitic	4
Antidiabetic	10
Antidiarrheic	1
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Amanitin)	1
Antidote (Cadmium)	2
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrheic	2
Antidyspeptic	1
Antidysphagic	1

<b>Activity</b>	<b>Chemical Count</b>
Antieczemic	2
Antiedemic	6
Antielastase	3
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antienterotic	1
Antiepileptic	4
Antierythemic	1
Antiescherichic	3
Antiestrogenic	5
Antifatigue	6
Antifeedant	5
Antifertility	2
Antifibrinolytic	1
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrotic	3
Antiflu	3
Antifuruncular	1

<b>Activity</b>	<b>Chemical Count</b>
Antigallstone	1
Antigastric	1
Antigastritic	2
Antigastrotic	1
Antigingivitic	2
Antiglaucomic	3
Antiglossitic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	2
Antigout	1
AntiGTF	1
Antihangover	4
Antiheartburn	1
Antihematuric	1
Antihemolytic	1
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatitic	1
Antihepatoadenomic	1



<b>Activity</b>	<b>Chemical Count</b>
Antihepatotoxic	9
Antiherpetic	10
Antiherpetic?	1
Antihistaminic	8
AntiHIV	8
Antihomocysteine	1
Antihydrophobic	1
Antihyperactivity	1
Antihypercholesterolemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	8
Antihyperthyroid	1
Antihypoglycemic	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiinfective	1
Antiinfertility	2

<b>Activity</b>	<b>Chemical Count</b>
Antiinflammatory	15
Antiinsomniac	3
Antiinsomnic	1
Antikeratitic	1
Antikeshan	1
Antiketotic	1
AntiLegionella	1
Antileishmanic	2
Antilepric	2
Antileukemic	10
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	3
Antilipolytic	1
Antilipoperoxidant	2
Antilithic	2
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	3

<b>Activity</b>	<b>Chemical Count</b>
Antimaculitic	4
Antimalarial	2
Antimanic	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	1
Antimelanomic	5
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	1
Antimetastatic	5
Antimigraine	4
Antimitotic	1
Antimitral-valve-prolapse	1
AntiMRSA	1
AntiMS	1
Antimutagenic	16
Antimyalgic	1
Antimyocarditic	2

<b>Activity</b>	<b>Chemical Count</b>
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	2
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	4
Antinitrosic	1
Antinociceptive	6
Antinyctalopic	1
Antiobesity	5
Antionychyotic	1
Antiophidic	4
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	7

<b>Activity</b>	<b>Chemical Count</b>
Antiototic	1
Antioxidant	21
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	2
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	4
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	5
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	4
Antiplasmodial	1
Antiplatelet	1

<b>Activity</b>	<b>Chemical Count</b>
AntiPMS	5
Antipneumonic	1
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	2
Antiproliferant	7
Antiprostaglandin	2
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	3
Antiproteolytic	1
Antiprotozoal	1
Antipsoriac	2
Antipurpuric	1
Antipyretic	2
Antiradicular	12
AntiRaynaud's	3

<b>Activity</b>	<b>Chemical Count</b>
Antirenetic	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatic	5
Antirhinitic	1
Antirhinoviral	2
Antiscorbutic	1
Antiscotomic	1
Antiseptic	6
Antiserotonin	2
Antishingles	1
Antisickling	1
Antisilicotic	1
Antispare-Tire	1
Antispasmodic	11
Antispasmophilic	1
Antistaphylococcic	4
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	1

<b>Activity</b>	<b>Chemical Count</b>
Antistress	5
Antistroke	2
Antisunburn	2
Antisyndrome-X	6
Antithiamin	2
Antithrombic	2
Antithrombogenic	1
Antithyroid	3
Antitic	1
Antitinnitic	1
Antitriglyceride	2
Antitrypanosomic	2
Antitumor	14
Antitumor (Bladder)	1
Antitumor (brain)	2
Antitumor (Breast)	5
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Forestomach)	1



<b>Activity</b>	<b>Chemical Count</b>
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	7
Antitumor (Ovary)	2
Antitumor (Pancreas)	1
Antitumor (Prostate)	2
Antitumor (Skin)	5
Antitumor (Stomach)	2
Antitumor (Thyroid)	1
Antitumor-Promoter	10
Antitussive	1
Antiulcer	8
Antiulcerogenic	2
Antivaccinia	1
Antivaginitic	1
Antivaricose	2
Antivertigo	1
Antiviral	15
Antiviral?	1

<b>Activity</b>	<b>Chemical Count</b>
Antixerophthalmic	1
Anxiolytic	7
AP-1-Inhibitor	1
Aphidifuge	1
Apoptotic	9
Aromatase-Inhibitor	3
Artemicide	2
Arteriodilator	1
Ascaricide	1
Asthma-preventive	1
Astringent	2
ATPase-Inhibitor	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	3
Bradycardiac	1
Bronchodilator	1
Calcium-Antagonist	4
Calcium-Antagonist?	1

<b>Activity</b>	<b>Chemical Count</b>
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	21
Candidicide	6
Capillarigenic	1
Capillariprotective	2
Carcinogenic	5
Cardiac	1
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	8
Cardiotoxic	1
Caspase-8-Inducer	1
Catabolic	2
Cathartic	3
Cerebrotonic	1
Chelator	1
Chemopreventive	4
Cholagogue	2

<b>Activity</b>	<b>Chemical Count</b>
Choleretic	8
Cholinergic	1
Circulotonic	1
Clastogenic	1
CNS-Active	1
CNS-Depressant	2
Co-carcinogenic	1
Cold-preventive	1
Collagen-Sparing	1
Collagenic	3
Colorant	1
COMT-Inhibitor	1
Copper-Antagonist	1
Copper-Chelator	2
COX-1-Inhibitor	2
COX-2-Inhibitor	5
Cyclooxygenase-Inhibitor	5
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	2

<b>Activity</b>	<b>Chemical Count</b>
Cytotoxic	6
Deiodinase-Inhibitor	3
Deodorant	1
Depressant	1
Detoxicant	1
Detoxicant (Alcohol)	1
Diaphoretic	1
Diaphoretic?	2
Differentiator	3
Diuretic	12
DNA-Active	1
DNA-Protective	2
Encephalopathic	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Estrogenic	7
Estrogenic?	1
Febrifuge	1
Fibrinolytic	1

<b>Activity</b>	<b>Chemical Count</b>
Fistula-Preventive	1
Floral-Inhibitor	1
Fungicide	6
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	2
Gonadotrophic	1
Gram(+)-icide	1
Gram(-)-icide	1
Hemostat	3
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	13
Hepatotoxic	1
Hepatotropic	2
Herbicide	1
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	2
Hydrocholerectic	1

<b>Activity</b>	<b>Chemical Count</b>
Hyperglycemic	1
Hypertensive	1
Hypocholesterolemic	10
Hypoglycemic	6
Hypolipidemic	3
Hypotensive	12
Hypouricemic	1
ICAM-1-Inhibitor	3
IKK-Inhibitor	2
Ileorelaxant	1
Immunomodulator	7
Immunostimulant	8
Immunosuppressant	4
iNOS-Inhibitor	4
Inotropic	3
Insecticide	1
Insectifuge	3
Insectiphile	2
Insulin-Sparing	1
Insulinogenic	4

<b>Activity</b>	<b>Chemical Count</b>
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	2
JNK-Inhibitor	1
Juvabional	2
Lactagogue	1
Larvostat	2
Laxative	6
Leptingenic	1
Leukotriene-Inhibitor	1
Lipotropic	1
Lipoxygenase-Inhibitor	6
Lithogenic	1
Litholytic	1
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	3
MAPK-Inhibitor	2
Mast-Cell-Stabilizer	1



<b>Activity</b>	<b>Chemical Count</b>
Memorigenic	2
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	2
MMP-9-Inhibitor	2
Mucogenic	2
Mucolytic	1
Musculotropic	1
Mutagenic	4
Myoprotective	1
Myorelaxant	5
NADH-Oxidase-Inhibitor	2
Natriuretic	1
NEP-Inhibitor	2
Nephrotoxic	1
Neuroprotective	3
Neurotransmitter	1
NF-kB-Inhibitor	5
NO-Inhibitor	5

<b>Activity</b>	<b>Chemical Count</b>
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Ornithine-Decarboxylase-Inhibitor	6
Osteoblastogenic	1
Osteogenic	1
Oviposition-Stimulant	1
Ovulant	1
P21-Inducer	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	2
Paralytic	1
Parasympathomimetic	1
Pesticide	20
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
PKC-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	2

<b>Activity</b>	<b>Chemical Count</b>
PPAR-Gamma-Antagonist	1
Preservative	1
Progestational	1
Proliferant	2
Prooxidant	3
Prostaglandigenic	2
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	4
Protisticide	2
Psychotropic	1
PTK-Inhibitor	3
Purgative	1
Quinone-Reductase-Inducer	3
Radioprotective	2
RNA-Inhibitor	1
Sedative	4
Serotonergic	1
Spermicide	1

<b>Activity</b>	<b>Chemical Count</b>
Spermigenic	1
Styptic	1
Succinoxidase-Inhibitor	1
Sunscreen	4
Sweetener	1
Taenicide	1
Teratologic	2
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	6
Topoisomerase-I-Inhibitor	5
Topoisomerase-II-Inhibitor	5
Tranquilizer	2
Trichomonicide	1
Tumorigenic	2
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	3
Ulcerogenic	1
Uricosuric	2

<b>Activity</b>	<b>Chemical Count</b>
Urinary-Acidulant	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	2
Vasodilator	11
Vasopressor	1
VEGF-Inhibitor	4
Vulnerary	3
Xanthine-Oxidase-Inhibitor	6