

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Melissa officinalis*

Activity	Chemical Count
ABeta-Inhibitor	1
Abortifacient	1
Acaricide	6
ACE-Inhibitor	3
AChE-Inhibitor	1
Acidulant	1
Additive	1
Adenylate-Cyclase-Inhibitor	1
Aldose-Reductase-Inhibitor	12
Allelochemic	2
Allelopathic	2
Allergenic	14
Alpha-Glucosidase-Inhibitor	1
Analgesic	7
Ancylostomicide	1
Androgenic	1
Anesthetic	5
Angiogenic	1
Ankylostomacide	1
Anorexic	1
Anthelmintic	2
Antiacetylcholinesterase	3
Antiacne	3
Antiadenomic	2
Antiadenoviral	1
Antiaflatoxin	1
Antiaggregant	5

Activity	Chemical Count
Antiaging	1
Antiallergenic	1
Antiallergic	4
Antialzheimeran	2
Antialzheimeran?	2
Antianaphylactic	3
Antiandrogenic	1
Antiarachidonate	1
Antiarrhythmic	3
Antiarthritic	2
Antiasthmatic	2
Antiatherogenic	1
Antiatherosclerotic	4
Antibacterial	29
Antibronchitic	1
Anticancer	7
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Foreestomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Pancreas)	1
Anticancer (Skin)	1
Anticarcinogenic	2
Anticarcinomic	2
Anticariogenic	7

Activity	Chemical Count
Anticholestatic	1
Anticholinesterase	1
Anticlastogen	2
Anticoagulant	1
Anticolitic	1
Anticomplement	2
Anticomplementary	1
Anticonvulsant	4
Antidepressant	2
Antidermatic	1
Antidiabetic	2
Antidote (Strychnine)	1
AntiEBV	3
Antiedemic	8
Antielastase	2
Antiescherichic	2
Antiesophagitic	1
Antiestrogenic	2
Antifeedant	8
Antifertility	3
Antifibrosarcomic	1
Antiflu	3
Antigenotoxic	2
Antigingivitic	2
Antigliomic	1
Antiglutamaergic	1
Antigonadotrophic	1

Activity	Chemical Count
Antigonadotropic	3
Antihalitotic	1
Antihelicobacter	2
Antihemolytic	3
Antihepatoadenomic	1
Antihepatotoxic	7
Antiherpetic	8
Antihistaminic	5
AntiHIV	6
Antihypercholesterolemic	2
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihyperthyroid	3
Antiinflammatory	17
Antiintegrase	1
Antiischemic	2
Antikeratotic	1
AntiLegionella	3
Antileishmanic	2
Antileptic	1
Antileukemic	7
Antileukotriene	4
Antilipoperoxidant	1
Antilithic	1
Antilymphomic	4
Antimalarial	3
Antimange	1

Activity	Chemical Count
Antimelanogenic	3
Antimelanomic	2
Antimetastatic	1
Antimetastatic (Stomach)	1
Antimite	2
Antimitotic	1
Antimutagenic	11
Antinephritic	3
Antineuritic	1
Antinitrosaminic	4
Antinitrosating	1
Antinociceptive	2
Antiobesity	1
Antiobesity?	1
Antiophidic	3
Antioxidant	15
Antioxidant (LDL)	2
Antipeptic	1
Antiperiodontic	3
Antiperoxidant	6
AntiPGE2	1
Antiplateque	4
Antiplasmodial	3
Antipolio	1
Antiprogestational	1
Antiproliferant	4
Antiproliferative	1

Activity	Chemical Count
Antiprostaglandin	5
Antiprostataadenomic	1
Antiprostatic	1
Antiproteolytic	1
Antipulmonotic	1
Antipyretic	2
Antiradicular	8
Antirheumatic	1
Antisalmonella	3
Antisarcomic	1
Antiseptic	19
Antishock	3
Antispasmodic	13
Antistaphylococcic	7
Antistomatitic	1
Antistreptococcic	4
Antisunburn	2
AntiTGF-beta	2
Antithiamin	1
Antithromboxane	2
Antithyreotropic	1
Antithyroid	3
AntiTNF	1
Antitrichinosic	1
Antitrypanosomic	1
Antitubercular	1
Antitumor	13

Activity	Chemical Count
Antitumor (brain)	1
Antitumor (Breast)	4
Antitumor (Cervix)	3
Antitumor (Colon)	7
Antitumor (Forestomach)	1
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	3
Antitumor (Mouth)	1
Antitumor (Ovary)	1
Antitumor (Pancreas)	3
Antitumor (Prostate)	1
Antitumor (Skin)	5
Antitumor (Stomach)	2
Antitumor-Promoter	4
Antitussive	2
Antiulcer	6
Antiulcerogenic	1
Antiuremic	1
Antivaccinia	1
Antiviral	14
Antiyeast	1
Anxiolytic	2
Apifuge	1
Apoptotic	6
Aromatase-Inhibitor	2
Artemicide	1

Activity	Chemical Count
Ascaricide	1
Ataxigenic	1
Autotoxic	1
Barbituate-Synergist	2
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bronchoprotectant	1
Bronchorelaxant	2
Bruchiphobe	1
Calcium-Antagonist	6
Cancer-Preventive	15
Candidicide	10
Candidistat	2
Capillarigenic	1
Carcinogenic	4
Carcinogenic?	1
Cardioprotective	4
Cardiotonic	2
Carminative	4
Caspase-3-Inducer	1
Caspase-8-Inducer	1
Chemopreventive	8
Cholagogue	2
Choleretic	5
Cholesterolytic	1
Cicatrizant	1
Clastogenic	2

Activity	Chemical Count
CNS-Active	2
CNS-Depressant	3
CNS-Stimulant	2
Co-carcinogenic	1
Collagen-Sparing	2
Counterirritant	1
COX-1-Inhibitor	2
COX-2-Inhibitor	5
Culicide	2
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-Inducer	1
Cytochrome-P450-Inhibitor	1
Cytoprotective	1
Cytostatic	1
Cytotoxic	7
Deiodinase-Inhibitor	1
Dentifrice	1
Deodorant	1
Dermatitigenic	2
Detoxicant	1
Diaphoretic	1
Diaphoretic?	1
Diuretic	5
DNA-Active	1
DNA-Protective	1
Dye	1
Elastase-Inhibitor	2

Activity	Chemical Count
Embryotoxic	2
Emetic	1
Enterocontractant	1
Enterorelaxant	2
Enterotoxic	1
Estrogenic	4
Expectorant	5
Febrifuge	1
Flatugenic	1
FLavor	20
Fungicide	18
Fungiphilic	1
Fungistat	2
GABA-nergic	1
Gastroirritant	1
Glaucomagenic	1
Glutathione-Depleting	1
Glutathionigenic	2
Gonadotrophic	1
Gram(+)icide	1
Gram(-)icide	1
GST-Inducer	1
Hepatocarcinogenic	1
Hepatoprotective	6
Hepatotoxic	1
Hepatotropic	1
Herbicide	5

Activity	Chemical Count
Histamine-Inhibitor	2
Histaminic	1
Hypnotic	1
Hypocholesterolemic	3
Hypoglycemic	3
Hypolipemic	1
Hypolipidemic	1
Hypotensive	3
Hypothermic	2
Immunomodulator	4
Immunostimulant	5
Insecticide	8
Insectifuge	11
Insectiphile	3
Interferonogenic	1
Interleukin-6-Inhibitor	2
Irritant	8
Juvabional	2
Larvicide	3
Larvostat	1
Leucocytogenic	2
Leukotriene-Inhibitor	2
Lipolytic	1
Lipoxygenase-Inhibitor	5
Lyase-Inhibitor	1
Metal-Chelator	2
MMP-9-Inhibitor	1

Activity	Chemical Count
Molluscicide	1
Mosquitofuge	2
Motor-Depressant	5
Mutagenic?	1
Mycobactericide	1
Myorelaxant	5
Narcotic	2
Nematicide	11
Nephrotoxic	1
Neuroprotective	1
Neurotoxic	1
NF-kB-Inhibitor	2
NO-Genic	2
NO-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	4
Oviposition-Stimulant	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	3
P450-Inducer	2
Perfumery	20
Peristaltic	1
Pesticide	34
Phagocytotic	2
Pheromone	1
Photosensitizer	1
Piscicide	2
Potassium-Sparing	1

Activity	Chemical Count
Prooxidant	2
Prostaglandigenic	3
Prostaglandin-Synthesis-Inhibitor	3
Prostatitigenic	1
Protease-Inhibitor	1
Protisticide	1
Quinone-Reductase-Inducer	1
Radioprotective	1
Secretagogue	1
Sedative	15
Sodium-Sparing	1
Spasmolytic	1
Spermicide	1
Sprout-Inhibitor	1
Sunscreen	2
Sweetener	1
Teratogenic	2
Termiticide	5
Termitifuge	1
Testosterone-Inducer	1
TNF-alpha-Inhibitor	1
TOPO-2-Inhibitor	1
Topoisomerase-II-Inhibitor	1
Tracheorelaxant	1
Transdermal	2
Trichomonicide	7
Trichomonistat	1

Activity	Chemical Count
Trypanocide	2
Trypsin-Enhancer	2
Tumor-Promoter	1
Tumorigenic	1
Tyrosinase-Inhibitor	4
Tyrosine-Kinase-Inhibitor	1
Ubiquitin	2
Ulcerogenic	2
Urinary-Antiseptic	1
Uterotonic	1
Varroacide	2
Vasodilator	1
Vasopressor	2
Vermicide	1
Vermifuge	1
Vulnerary	3
Xanthine-Oxidase-Inhibitor	1