

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Thymus vulgaris*

Activity	Chemical Count
(-)-Chronotropic	2
(-)-Inotropic	2
11B-HSD-Inhibitor	3
5-Alpha-Reductase-Inhibitor	4
5-Lipoxygenase-Inhibitor	1
ABeta-Inhibitor	1
Abortifacient	1
Acaricide	7
ACE-Inhibitor	6
AChE-Inhibitor	1
Acidulant	1
Adenylate-Cyclase-Inhibitor	1
Adjuvant	1
Aldose-Reductase-Inhibitor	27
Allelochemic	5
Allelopathic	9
Allergenic	22
Allergenic?	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Analgesic	21
Ancylostomicide	1
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	8
Angiogenic	1

Activity	Chemical Count
Angiotensin-Receptor-Blocker	3
Ankylostomacide	1
Anorexic	2
Anthelmintic	5
Antiacetylcholine	1
Antiacetylcholinesterase	9
Antiacid	1
Antiacne	14
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	2
Antiadenomic	2
Antiadenoviral	1
Antiadenovirus	1
Antiaflatoxin	3
AntiAGE	2
Antiaggregant	16
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkalotic	1
Antiallergenic	2
Antiallergic	13
Antialopepic	4
Antialzheimeran	8
Antialzheimeran?	3

Activity	Chemical Count
Antiamblyopic	1
Antiamnesic	1
AntiAmyloid-Beta	1
Antianaphylactic	5
Antiandrogenic	5
Antianemic	3
Antianginal	2
Antiangiogenic	5
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	7
Antiarteriosclerotic	2
Antiartritic	11
Antiasthmatic	9
Antiatherogenic	2
Antiatherosclerotic	10
Antibacillary	2
Antibackache	1
Antibacterial	46
Antiberiberi	1
AntiBPH	1
Antibronchitic	3
Antibrucellosic	1
Anticancer	11

Activity	Chemical Count
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Colon)	3
Anticancer (Forestomach)	2
Anticancer (Kidney)	1
Anticancer (Liver)	2
Anticancer (Lung)	2
Anticancer (Pancreas)	1
Anticancer (Prostate)	1
Anticancer (Skin)	2
Anticanker	3
Anticarcinogenic	4
Anticarcinomic	5
Anticardiospasmic	1
Anticariogenic	10
Anticarpal-Tunnel	1
Anticataract	8
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholestatic	1
Anticholinesterase	1
Anticholinesterase?	1
Anticirrhotic	1
Anticlastogen	1

Activity	Chemical Count
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	2
Anticomplement	2
Anticomplementary	4
Anticonvulsant	5
Anticorneotic	1
Anticoronary	5
AntiCrohn's	2
AntiCTS	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	6
Antidepressant	10
Antidepressant?	1
Antidermatic	1
Antidermatitic	3
Antidiabetic	10
Antidiarrheic	2
Antidiscotic	1
Antidiuretic	2
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2

Activity	Chemical Count
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidysenteric	2
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	4
Antiedemic	11
Antielastase	1
Antiemetic	1
Antiencephalitic	1
Antiencephalopathic	6
Antiencephalopathic?	1
Antiendometriotic	2
Antienterotic	1
Antiepileptic	4
Antiescherichic	6
Antiesherichic	1
Antiesophagitic	1
Antiestrogenic	6

Activity	Chemical Count
Antifatigue	7
Antifeedant	13
Antifertility	4
Antifibrinolytic	3
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrositic	1
Antifibrotic	4
Antiflu	5
Antifuruncular	1
Antigallstone	1
Antigastritic	3
Antigastrotic	1
Antigenotoxic	3
Antigingivitic	3
Antiglaucomic	2
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	2
Antigonadotropic	3
Antigout	1
Antigranular	1
Antihalitotic	1
Antihangover	4
Antiheartburn	1
Antihelicobacter	1

Activity	Chemical Count
Antihemolytic	3
Antihemorrhagic	1
Antihepatitic	1
Antihepatoadenomic	1
Antihepatomic	1
Antihepatotic	2
Antihepatotoxic	12
Antiherpetic	16
Antiherpetic?	1
Antihistaminic	12
AntiHIV	12
Antihomocystinuric	1
Antihyperactivity	1
Antihypercholesterolemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	8
Antihyperthyroid	4
Antihypoglycemic	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiinfective	1
Antiinfertility	2
Antiinflammatory	42

Activity	Chemical Count
Antiinsomniac	4
Antiinsomnic	1
Antiintegrase	1
Antischemic	1
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
AntiLegionella	2
Antileishmanic	4
Antileptic	3
Antileukemic	13
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	5
Antileukotriene-D4	3
Antilipolytic	1
Antilipoperoxidant	2
Antilisteria	1
Antilithic	3
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphedemic	1
Antilymphocytic	1
Antilymphomic	6
Antimaculitic	4
Antimalarial	3

Activity	Chemical Count
Antimange	1
Antimanic	2
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	7
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	3
Antimetastatic	6
Antimetastatic (Stomach)	1
Antimigraine	5
Antimite	1
Antimitotic	3
Antimitral-valve-prolapse	1
Antimononucleotic	1
AntiMRSA	1
AntiMS	2
Antimutagenic	25
Antimyalgic	1
Antimycoplasmotic	1
Antimyocarditic	1
Antineoplastic	1
Antinephritic	4
Antinephrolytic	1
Antineuralgic	3

Activity	Chemical Count
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuropathic	2
Antineurotic	1
AntiNF-kB	2
Antinitrosaminic	7
Antinitrosating	1
Antinitrosic	1
Antinociceptive	4
Antinyctalopic	1
Antiobesity	6
Antiobesity?	1
Antionychyotic	2
Antiophidic	4
Antiorchitic	1
Antiosteoarthritic	3
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxidant	46
Antioxidant (LDL)	3
Antioxidant?	1
Antiozenic	1
Antipapillomic	1
Antiparkinsonian	7
Antiparotitic	1

Activity	Chemical Count
Antipellagic	3
Antiperiodontic	3
Antiperiodontitic	4
Antiperistaltic	2
Antiperoxidant	8
Antiperoxidative	1
AntiPGE2	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplateque	7
Antiplasmodial	2
AntiPMS	5
Antipneumonic	2
Antipodriac	1
Antipolio	3
Antipoliomyelitic	2
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	8
Antiproliferative	2
Antiprostaglandin	6
Antiprostataadenomic	1
Antiprostatitic	5
Antiprostatotoc	1
Antiproteolytic	2

Activity	Chemical Count
Antipruritic	2
Antipsittacotic	1
Antipsoriac	2
Antipsychotic	2
Antipulmonotic	1
Antipyretic	5
Antiradicular	18
AntiRaynaud's	3
Antirenitic	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatalgic	1
Antirheumatic	7
Antirhinitic	1
Antirhinoviral	3
Antisalmonella	6
Antisarcomic	1
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseptic	27
Antiserotonin	2
Antishingles	1
Antishock	3
Antisickling	4
Antisilicotic	1

Activity	Chemical Count
Antisindhis	1
Antispare-Tire	1
Antispasmodic	34
Antispasmophilic	1
Antistaphylococcic	13
Antistomatitic	2
Antistreptococcic	5
Antistress	6
Antistroke	2
Antisunburn	2
Antisyndrome-X	6
AntiTGF-beta	2
Antithiamin	1
Antithrombic	1
Antithromboxane	2
Antithyreotropic	1
Antithyroid	5
Antitic	1
Antitinnitic	1
AntiTNF	3
Antitoxoplasmotic	1
Antitrichinosic	1
Antitriglyceride	2
Antitrypanosomic	1
Antitubercular	1
Antitumor	24
Antitumor (brain)	3

Activity	Chemical Count
Antitumor (Breast)	7
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	8
Antitumor (Foreestomach)	2
Antitumor (Gastric)	1
Antitumor (GI)	1
Antitumor (Kidney)	3
Antitumor (Liver)	3
Antitumor (Lung)	9
Antitumor (Ovary)	3
Antitumor (Pancreas)	4
Antitumor (Prostate)	4
Antitumor (Skin)	6
Antitumor (Stomach)	4
Antitumor (Thyroid)	1
Antitumor-Promoter	9
Antitussive	5
Antiulcer	18
Antiulcerogenic	2
Antiuremic	1
Antiuricosuric	1
Antivaccinia	1
Antivaginitic	1
Antivertigo	1
Antiviral	28
Antiviral?	1

Activity	Chemical Count
Antiviral	1
Antixerophthalmic	1
Antiyeast	2
Anxiolytic	8
AP-1-Inhibitor	1
Aphidifuge	3
Apifuge	1
Apoptotic	10
Aromatase-Inhibitor	6
Artemicide	2
Arteriodilator	1
Ascaricide	2
Asthma-preventive	1
Astringent	2
Ataxigenic	1
Autotoxic	1
Bacteriostatic	1
Bacteristat	3
Barbituate-Synergist	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	4
Beta-Glucuronidase-Inhibitor	5
Bronchodilator	1
Bronchoprotectant	1
Bronchorelaxant	2
Bruchiphobe	1
Calcium-Antagonist	8

Activity	Chemical Count
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	50
Candidicide	18
Candidostat	4
Carcinogenic	8
Carcinogenic?	1
Cardiac	1
Cardiodepressant	1
Cardiomyopathogenic	1
Cardioprotective	12
Cardiotonic	4
Cardiotoxic	1
Carminative	8
Caspase-3-Inducer	1
Caspase-8-Inducer	1
Cerebrotoxic	1
Chelator	1
Chemopreventive	9
Cholagogue	3
Choleretic	15
Cholesterolytic	1
Cholinergic	1
Cicatrizant	1
Circulotonic	1
Clastogenic	2

Activity	Chemical Count
CNS-Active	2
CNS-Depressant	5
CNS-Stimulant	5
CNS-Toxic	1
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenic	2
Colorant	1
Comedolytic	1
Contraceptive	1
Convulsant	1
Copper-Antagonist	1
Copper-Chelator	1
Cosmetic	2
Counterirritant	3
COX-1-Inhibitor	8
COX-2-Inhibitor	12
Culicide	3
Cyclooxygenase-Inhibitor	8
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-Inducer	1
Cytochrome-P450-Inhibitor	2
Cytoprotective	1
Cytotoxic	12
Decarboxylase-Inhibitor	1

Activity	Chemical Count
Decongestant	1
Deiodinase-Inhibitor	3
Deliriant	2
Dentifrice	1
Deodorant	2
Depressant	1
Dermal	1
Dermatitigenic	6
Detoxicant	2
Detoxicant (Alcohol)	1
Diaphoretic?	2
Differentiator	2
Digestive	1
Diuretic	14
DME-Inhibitor	1
DNA-Active	1
DNA-Protective	2
Ecbolic	1
Elastase-Inhibitor	2
Embryotoxic	2
Emetic	5
Encephalopathic	1
Energizer	1
Enterocontractant	1
Enterorelaxant	3
Enterotoxic	1
Epileptigenic	1

Activity	Chemical Count
Ergogenic	1
Erythrocytogenic	1
Essential	7
Estrogenic	11
Expectorant	13
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	32
Floral-Inhibitor	1
Fungicide	29
Fungiphilic	1
Fungistat	6
GABA-nergic	1
Gastroirritant	1
Gastroprotective	2
Gastrostimulant	1
Glaucomagenic	1
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	2
Gonadotrophic	1
Gram(+)icide	2
Gram(-)icide	2
GST-Inducer	1
Hemolytic	1
Hemorrhagic	1
Hemostat	1

Activity	Chemical Count
Hepatocarcinogenic	1
Hepatoprotective	16
Hepatotoxic	3
Hepatotropic	2
Herbicide	12
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	2
Histaminic	1
HIV-RT-Inhibitor	1
Hyaluronidase-Inhibitor	2
Hydrocholerectic	1
Hypercholesterolemic	3
Hyperglycemic	1
Hypertensive	1
Hypnotic	3
Hypoarginanemic	1
Hypocholesterolemic	15
Hypocholesterolemic?	1
Hypoglycemic	10
Hypolipemic	1
Hypolipidemic	3
Hypotensive	13
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	3
IKK-Inhibitor	2
Immunomodulator	13

Activity	Chemical Count
Immunostimulant	13
Immunosuppressant	5
Inhalant	1
iNOS-Inhibitor	3
Inotropic	2
Insect-Repellent	2
Insecticide	11
Insectifuge	29
Insectiphile	4
Insulin-Sparing	1
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Interleukin-6-Inhibitor	3
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	21
JNK-Inhibitor	1
Juvabional	4
Lactagogue	1
Larvicide	5
Larvostat	2
Laxative	7
Leptogenic	1
Leucocytogenic	3
Leukotriene-Inhibitor	2

Activity	Chemical Count
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	9
Lithogenic	1
Litholytic	1
Lubricant	2
Lyase-Inhibitor	1
Lymphocytogenic	2
Lymphokinetic	1
MAO-Inhibitor	3
MAPK-Inhibitor	2
Memorigenic	1
Metal-Chelator	3
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	2
Molluscicide	1
Monoamine-Precursor	3
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	6
Motor-Stimulant	2
Mucogenic	2
Mucolytic	1
Musculotropic	1
Mutagenic	4
Mycobactericide	1

Activity	Chemical Count
Myocontractant	1
Myorelaxant	10
NADH-Oxidase-Inhibitor	1
Narcotic	1
Natriuretic	2
Nematicide	18
NEP-Inhibitor	1
Nephroprotective	1
Nephrotoxic	2
Neuroinhibitor	1
Neuroprotective	4
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	6
NO-Genic	2
NO-Inhibitor	5
NO-Synthase-Inhibitor	1
Nodulation-Signal	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	8
Osteoblastogenic	1
Osteogenic	1
Ovicide	1
Oviposition-Stimulant	1
Ovulant	1
Oxidant	1
Ozone-Scavenger	1

Activity	Chemical Count
P21-Inducer	1
P450-2B1-Inhibitor	5
P450-Inducer	2
P450-Inhibitor	1
PAF-Inhibitor	1
Parasiticide	1
Percutaneostimulant	1
Perfumery	25
Peristaltic	1
Pesticide	66
Phagocytotic	4
Photosensitizer	1
Phytoalexin	1
Piscicide	3
PKC-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	2
Potassium-Sparing	1
PPAR-Gamma-Antagonist	1
Preservative	1
Progestational	1
Prolactinogenic	1
Proliferant	1
Prooxidant	4
Propecic	4
Prostaglandigenic	4
Prostaglandin-Inhibitor	1

Activity	Chemical Count
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Prostaglandin-Synthetase-Inhibitor	1
Prostatitigenic	1
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	2
Psychoactive	1
Psychotropic	1
PTK-Inhibitor	2
Purgative	1
Quinone-Reductase-Inducer	3
Radioprotective	2
Renoirritant	1
Respirainhibitor	1
Respirastimulant	1
Respirodepressant	1
Rodenticide	1
Rubefacient	2
Schizophrenigenic	1
Secretagogue	2
Secretolytic	1
Sedative	25
Serotonin-Inhibitor	1
Serotoninerbic	2
Soap	1
Sodium-Sparing	1

Activity	Chemical Count
Spasmogenic	4
Spermicide	2
Spermigenic	1
Sprout-Inhibitor	1
Stimulant	1
Styptic	1
Succinoxidase-Inhibitor	1
Sunscreen	4
Sweetener	2
Sympathomimetic	1
Taenicide	1
Teratogenic	2
Teratologic	1
Termiticide	2
Termitifuge	2
Testosterone-Inducer	1
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	5
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	5
Topoisomerase-II-Inhibitor	2
Tracheorelaxant	2
Tranquilizer	4
Transdermal	5
Tremorigenic	1
Trichomonicide	10

Activity	Chemical Count
Trichomonistat	2
Trypanocide	2
Trypsin-Enhancer	1
Tumor-Promoter	2
Tumorigenic	1
Tyrosinase-Inhibitor	4
Ubiquitot	4
Ulcerogenic	2
Uricosuric	3
Urinary-Acidulant	1
Urinary-Antiseptic	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotonic	1
Uterotrophic	3
Varroacide	2
Vasodilator	11
Vasopressor	2
VEGF-Inhibitor	3
Vermicide	2
Vermifuge	3
Verrucolytic	1
Vibriocide	1
Vulnerary	6
Xanthine-Oxidase-Inhibitor	5