

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Origanum vulgare*

Activity	Chemical Count
(-)-Chronotropic	3
(-)-Inotropic	3
11B-HSD-Inhibitor	4
5-Alpha-Reductase-Inhibitor	6
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
ABeta-Inhibitor	1
Abortifacient	3
Acaricide	8
ACE-Inhibitor	8
AChE-Inhibitor	1
Acidulant	1
Adenylate-Cyclase-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	23
Allelochemic	9
Allelopathic	9
Allergenic	24
Allergenic?	1
Alpha-Glucosidase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Analgesic	17
Ancylostomicide	1
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	9

Activity	Chemical Count
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Ankylostomacide	1
Anorexic	1
Anthelmintic	6
Antiacetylcholine	1
Antiacetylcholinesterase	10
Antiacne	10
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	2
Antiadenoviral	1
Antiadenovirus	1
Antiaflatoxin	4
AntiAGE	1
Antiaggregant	13
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antiallergenic	1
Antiallergic	13
Antialopepic	4
Antialzheimeran	10
Antialzheimeran?	3
Antiamblyopic	1
Antiamnesic	1

Activity	Chemical Count
Anti-amyloid-beta	1
Anti-anaphylactic	5
Anti-androgenic	4
Anti-anemic	3
Anti-anginal	3
Anti-angiogenic	5
Anti-anorectic	2
Anti-anorexic	1
Anti-oxidative	1
Anti-anxiety	2
Anti-apoptotic	1
Anti-arachidonic	1
Anti-arrhythmic	8
Anti-arteriosclerotic	1
Anti-arthritis	12
Anti-asthmatic	11
Anti-atherogenic	3
Anti-atherosclerotic	12
Anti-bacterial	1
Anti-backache	1
Anti-bacterial	50
Anti-beriberi	1
Anti-BPH	1
Anti-bradycardic	1
Anti-bronchitic	4
Anti-cancer	12
Anti-cancer (Breast)	2

Activity	Chemical Count
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Fore stomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	2
Anticancer (Pancreas)	1
Anticancer (Skin)	1
Anticancer	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	5
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	11
Anticataract	8
Anticatarrh	1
Anticephalagic	1
Anticervicaldysplastic	2
AntiCFS	2
Anticheilitic	1
Antichilblain	1
Anticholestatic	1
Anticholinesterase	2
Anticholinesterase?	1
Anticlastogen	3
Anticlimacteric	3
Anticoagulant	1

Activity	Chemical Count
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticomplement	2
Anticomplementary	5
Anticonvulsant	7
Anticoronary	4
AntiCrohn's	3
AntiCRP	1
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	1
Antidecubitic	2
Antideliriant	1
Antidementia	7
Antidepressant	7
Antidermatic	1
Antidermatitic	7
Antidiabetic	12
Antidiarrheic	1
Antidiscotic	1
Antidiuretic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Lead)	2

Activity	Chemical Count
Antidote (Paraquat)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrhic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	3
Antieczemic	3
Antiedemic	11
Antielastase	2
Antiemetic	1
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antienterotic	1
Antiepileptic	4
Antierythemic	1
Antiescherichic	6
Antiesophagitic	1
Antiestrogenic	6
Antifatigue	7
Antifeedant	17
Antifertility	4
Antifibrinolytic	3
Antifibromyalgic	1
Antifibrosarcomic	2

Activity	Chemical Count
Antifibrositic	1
Antifibrotic	3
Antiflu	7
Antifuruncular	1
Antigallstone	1
Antigastric	1
Antigastritic	2
Antigastrotic	1
Antigenotoxic	3
Antigingivitic	3
Antiglaucomic	3
Antigliomic	1
Antiglutamaergic	1
Antigonadotrophic	1
Antigonadotropic	5
Antigranular	1
AntiGTF	1
Antihalitotic	2
Antihangover	4
Antiheartburn	1
Antihelicobacter	2
Antihematuric	1
Antihemolytic	3
Antihemorrhagic	1
Antihemorrhoidal	1
Antihepatic	1
Antihepatoadenomic	1

Activity	Chemical Count
Antihepatotoxic	14
Antiherpetic	17
Antiherpetic?	1
Antihistaminic	13
AntiHIV	11
Antihydrophobic	1
Antihyperactivity	1
Antihypercholesterolemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	8
Antihyperthyroid	3
Antihypoglycemic	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiinfarctal	1
Antiinfective	1
Antiinfertility	3
Antiinflammatory	43
Antiinsomniac	3
Antiinsomnic	1
Antiintegrase	1
Antiischemic	3
Antikeratotic	1

Activity	Chemical Count
Antilaryngitic	1
AntiLegionella	3
Antileishmanic	4
Antileptic	3
Antileukemic	13
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	5
Antileukotriene-D4	3
Antilipoperoxidant	3
Antilithic	3
Antilithic?	1
Antilupus	1
AntiLyme	4
Antilymphocytic	1
Antilymphomic	6
Antimaculitic	4
Antimalarial	4
Antimange	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	3
Antimelanomic	8
AntiMeniere's	1
Antimenopausal	3
Antimenorrhagic	3

Activity	Chemical Count
Antimetastatic	6
Antimetastatic (Stomach)	1
Antimigraine	3
Antimite	2
Antimitotic	1
Antimitral-valve-prolapse	1
AntiMRSA	1
AntiMS	2
Antimutagenic	27
Antimyocarditic	2
Antinephritic	4
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuropathic	4
Antineurotic	1
Antinitrosaminic	8
Antinitrosating	1
Antinitrosic	1
Antinociceptive	7
Antinyctalopic	1
Antiobesity	5
Antiobesity?	1
Antionychyotic	1
Antiophidic	4

Activity	Chemical Count
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	8
Antiotitic	1
Antiototic	1
Antioxidant	48
Antioxidant (LDL)	3
Antiozenic	1
Antipancreatitis	1
Antipapillomic	1
Antiparkinsonian	3
Antiparotitic	1
Antipellagic	1
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	3
Antiperiodontitic	4
Antiperistaltic	3
Antipermeability	1
Antiperoxidant	13
Antiperoxidative	1
AntiPGE2	1
Antipharyngitic	2
Antiphotophobic	1
Antipityriasis	1
Antiplateau	9
Antiplasmodial	3

Activity	Chemical Count
Antiplatelet	1
AntiPMS	5
Antipneumonic	2
Antipodriac	2
Antipolio	4
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	10
Antiproliferative	2
Antiprostaglandin	6
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	5
Antiprostatotic	1
Antiproteolytic	2
Antiprotozoal	1
Antipruritic	1
Antipsoriac	2
Antipulmonotic	1
Antipurpuric	1
Antipyretic	4
Antiradicular	19
AntiRaynaud's	3
Antiretinopathic	1
Antiretinotic	2

Activity	Chemical Count
Antirheumatalgic	1
Antirheumatic	7
Antirhinitic	2
Antirhinoviral	3
Antisalmonella	6
Antisarcotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseptic	29
Antiserotonin	1
Antiserotoninic	1
Antishingles	1
Antishock	2
Antisickling	2
Antisindhis	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	31
Antispasmophilic	1
Antistaphylococcic	14
Antistomatitic	3
Antistreptococcic	5
Antistress	5
Antistroke	3
Antisunburn	3
Antisyndrome-X	4
AntiTGF-beta	2

Activity	Chemical Count
Antithiamin	3
Antithrombic	1
Antithrombogenic	1
Antithromboxane	2
Antithyreotropic	2
Antithyroid	6
Antitic	1
Antitinnitic	1
AntiTNF	1
Antitrichinosic	1
Antitriglyceride	1
Antitrypanosomic	3
Antitubercular	1
Antitumor	28
Antitumor (Bladder)	2
Antitumor (brain)	2
Antitumor (Breast)	8
Antitumor (Cervix)	3
Antitumor (CNS)	1
Antitumor (Colon)	8
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (Kidney)	2
Antitumor (Liver)	1
Antitumor (Lung)	8
Antitumor (Mouth)	1
Antitumor (Ovary)	3

Activity	Chemical Count
Antitumor (Pancreas)	4
Antitumor (Prostate)	3
Antitumor (Skin)	6
Antitumor (Stomach)	5
Antitumor (Thyroid)	1
Antitumor-Promoter	10
Antitumor-Promoter?	1
Antitussive	6
Antiulcer	21
Antiulcerogenic	1
Antiuremic	1
Antivaccinia	1
Antivaricose	1
Antivertigo	1
Antiviral	32
Antiviral?	1
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	7
Aphidifuge	4
Apifuge	1
Apoptotic	13
Aromatase-Inhibitor	7
Artemicide	2
Ascaricide	2
Asthma-preventive	1
Astringent	2

Activity	Chemical Count
Ataxigenic	1
ATPase-Inhibitor	1
Attifuge	1
Autotoxic	1
Bacteriostatic	1
Bacteristat	2
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	4
Beta-Glucuronidase-Inhibitor	5
Bradycardiac	1
Bronchodilator	1
Bronchoprotectant	1
Bronchorelaxant	1
Calcium-Antagonist	10
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	6
Cancer-Preventive	48
Candidicide	15
Candidistat	3
Capillariprotective	2
Carcinogenic	9
Carcinogenic?	1
Cardioprotective	12
Cardiotonic	2

Activity	Chemical Count
Cardiotoxic	1
Carminative	6
Caspase-8-Inducer	1
Catabolic	2
Chemopreventive	9
Cholagogue	2
Choleretic	15
Cholesterolytic	1
Cicatrizant	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	5
CNS-Inhibitor	1
CNS-Stimulant	6
CNS-Toxic	1
Co-carcinogenic	2
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenic	2
Colorant	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	1
Convulsant	3
Copper-Antagonist	1

Activity	Chemical Count
Copper-Chelator	2
Cosmetic	3
Counterirritant	3
COX-1-Inhibitor	5
COX-2-Inhibitor	10
Culicide	2
Cyclooxygenase-Inhibitor	10
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	3
Cytochrome-P450-Inhibitor	2
Cytoprotective	2
Cytotoxic	12
Decarboxylase-Inhibitor	1
Decongestant	2
Degranulant	1
Deiodinase-Inhibitor	4
Deliriant	1
Dentifrice	2
Deodorant	3
Dermal	1
Dermatitigenic	6
Detoxicant	2
Detoxicant (Alcohol)	1
Diaphoretic?	3
Differentiator	3
Diuretic	13

Activity	Chemical Count
DNA-Active	1
DNA-Binder	1
DNA-Protective	2
Ecbolic	1
Edemagenic	1
Elastase-Inhibitor	2
Embryotoxic	2
Emetic	3
Emmenagogue	1
Enterocontractant	1
Enterorelaxant	3
Enterotoxic	1
Epileptigenic	1
Ergogenic	1
Estrogenic	10
Estrogenic?	1
Expectorant	15
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	38
Floral-Inhibitor	1
Fungicide	30
Fungiphilic	1
Fungistat	5
GABA-nergic	1

Activity	Chemical Count
Gastroirritant	1
Gastroprotective	3
Glucosyl-Transferase-Inhibitor	1
Glutathione-Depleting	1
Goitrogenic	1
Gonadotrophic	1
Gram(+)icide	3
Gram(-)icide	3
GST-Inducer	1
Hemolytic	1
Hemostat	3
Hepatocarcinogenic	2
Hepatomagenic	2
Hepatoprotective	17
Hepatotonic	1
Hepatotoxic	2
Hepatotropic	1
Herbicide	13
HIF-1alpha-Inhibitor	1
Hirudicide	1
Histamine-Inhibitor	2
Histaminic	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	2
Hypercholesterolemic	3
Hypertensive	1
Hypnotic	1

Activity	Chemical Count
Hypocholesterolemic	18
Hypocholesterolemic?	1
Hypoglycemic	8
Hypolipemic	1
Hypolipidemic	2
Hypotensive	14
Hypothermic	3
Hypouricemic	1
ICAM-1-Inhibitor	3
IKK-Inhibitor	2
Immunomodulator	12
Immunostimulant	10
Immunosuppressant	4
Inflammatory	1
Inhalant	1
iNOS-Inhibitor	4
Inotropic	3
Insect-Repellent	2
Insecticide	13
Insectifuge	30
Insectiphile	5
Insulin-Sparing	1
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2

Activity	Chemical Count
Interleukin-6-Inhibitor	3
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	20
JNK-Inhibitor	1
Juvabional	5
Larvicide	6
Larvostat	4
Laxative	7
Leptogenic	1
Leucocytogenic	2
Leukotriene-Inhibitor	2
Lipolytic	1
Lipoxygenase-Inhibitor	12
Lithogenic	1
Litholytic	1
Lubricant	3
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
MAPK-Inhibitor	2
Mast-Cell-Stabilizer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	2
Metastatic	1
MMP-9-Inhibitor	3

Activity	Chemical Count
Molluscicide	1
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	5
Motor-Stimulant	1
Mucogenic	2
Mucolytic	1
Musculotropic	1
Mutagenic	6
Mycobactericide	1
Myoprotective	1
Myorelaxant	12
NADH-Oxidase-Inhibitor	2
Natriuretic	2
Nematicide	20
NEP-Inhibitor	2
Nephrotoxic	2
Neurogenic	1
Neuroprotective	5
Neurotoxic	2
Neurotransmitter	1
NF-kB-Inhibitor	5
NO-Genic	2
NO-Inhibitor	6
NO-Synthase-Inhibitor	2
Nodulation-Signal	1
Occuloirritant	1

Activity	Chemical Count
Ornithine-Decarboxylase-Inhibitor	6
Osteoblastogenic	1
Osteogenic	1
Oviposition-Stimulant	3
Ovulant	1
Oxidase-Inhibitor	1
Ozone-Scavenger	1
P21-Inducer	1
P450-2B1-Inhibitor	4
P450-Inducer	5
P450-Inhibitor	2
PAF-Inhibitor	2
Pediculicide	1
Percutaneostimulant	1
Perfume	1
Perfumery	30
Peristaltic	1
Pesticide	74
PGE2-Inhibitor	1
Phagocytotic	3
Pheromone	1
Phospholipase-Inhibitor	1
Photosensitizer	1
Phytoalexin	1
Pigment	1
Piscicide	2
PKC-Inhibitor	2

Activity	Chemical Count
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
PPAR-Gamma-Antagonist	1
Progestational	1
Proliferant	2
Prooxidant	4
Propepic	5
Prostaglandigenic	4
Prostaglandin-Inhibitor	1
Prostaglandin-Synthesis-Inhibitor	5
Prostaglandin-Synthetase-Inhibitor	1
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	3
PTK-Inhibitor	3
Quinone-Reductase-Inducer	6
Radioprotective	3
Renoirritant	1
Respirainhibitor	1
Respirastimulant	1
RNA-genic	1
Rubefacient	2
Schizophrenigenic	1
Secretagogue	3
Sedative	24
Serotonin-Inhibitor	1

Activity	Chemical Count
Serotonergic	1
Soap	2
Sodium-Sparing	1
Spasmogenic	5
Spermicide	2
Spermigenic	1
Sprout-Inhibitor	1
Stimulant	1
Stomachic	2
Styptic	1
Succinoxidase-Inhibitor	1
Sunscreen	4
Suppository	1
Surfactant	1
Sweetener	2
Teratogenic	1
Teratologic	2
Termiticide	4
Termitifuge	2
Testosterone-Hydroxylase-Inducer	1
Testosterone-Inducer	1
Testosteronigenic	1
Thymoprotective	1
Thyroid-Peroxidase-Inhibitor	1
TNF-alpha-Inhibitor	6
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	7

Activity	Chemical Count
Topoisomerase-II-Inhibitor	4
Tracheorelaxant	2
Tranquilizer	4
Transdermal	6
Trichomonicide	11
Trichomonistat	1
Trypanocide	1
Trypsin-Enhancer	1
Tumor-Promoter	2
Tumorigenic	2
Tyrosinase-Inhibitor	5
Tyrosine-Kinase-Inhibitor	1
Ubiquit	6
Ulcerogenic	2
Uricosuric	1
Urinary-Acidulant	1
Urinary-Antiseptic	1
Uterorelaxant	1
Uterotonic	1
Uterotrophic	3
Varroacide	2
Vasodilator	13
Vasopressor	3
VEGF-Inhibitor	3
Vermicide	2
Vermifuge	3
Verrucolytic	1

Activity	Chemical Count
Vibriocide	1
Vulnerary	6
Xanthine-Oxidase-Inhibitor	5