

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Oenothera biennis***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	6
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Absorbent	1
ACE-Inhibitor	3
Adjuvant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	6
Allelochemic	2
Allelopathic	4
Allergenic	5
Alpha-Glucosidase-Inhibitor	1
Alpha-Reductase-Inhibitor	2
Analgesic	10
Androgenic	2
Anemiagenic	1
Angiogenic	1

Activity	Chemical Count
Angiotensin-Receptor-Blocker	2
Anorexic	1
Anthelmintic	1
Antiacid	1
Antiacne	3
Antiacrodermatitic	1
AntiADD	1
Antiadenomic	1
Antiadenoviral	1
Antiadenovirus	1
Antiaflatoxin	3
Antiaggregant	7
Antiaging	2
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergenic	1
Antiallergic	4

Activity	Chemical Count
Antiallopecic	4
Antialzheimeran	3
Antianaphylactic	4
Antiandrogenic	4
Antianemic	3
Antianginal	2
Antiangiogenic	4
Antianorectic	1
Antianorexic	1
Antianxiety	3
Antiarrhythmic	5
Antiarteriosclerotic	2
Antiarthritic	10
Antiasphyctic	1
Antiasthmatic	5
Antiatherogenic	1
Antiatherosclerotic	6
Antibacterial	16
AntiBPH	1
Antibronchitic	1

Activity	Chemical Count
Anticancer	7
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Esophagus)	1
Anticancer (Forestomach)	1
Anticancer (Liver)	1
Anticancer (Lung)	1
Anticancer (Mouth)	1
Anticancer (Skin)	1
Anticanker	2
Anticarcinogenic	2
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticariogenic	3
Anticataract	5
Anticephalagic	1
AntiCFS	1
Anticheilitic	1
Anticlastogen	2

Activity	Chemical Count
Anticlimacteric	2
Anticoeliac	1
Anticold	1
Anticolitic	2
Anticomplementary	1
Anticonvulsant	2
Anticoronary	4
AntiCrohn's	2
AntiCRP	1
Anticystitic	1
Antidandruff	2
Antidementia	3
Antidepressant	7
Antidepressant?	1
Antidermatitic	1
Antidermatotic	1
Antidiabetic	7
Antidiabetic?	1
Antidiarrheic	2
Antidiscotic	1

Activity	Chemical Count
Antidote (Acetaminophen)	1
Antidote (Aluminum)	1
Antidote (Cadmium)	1
Antidote (Hypoglycin-A)	1
Antidote (Iodine)	1
Antidote (Lead)	1
Antidote (Paracetamol)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrheic	2
AntiEBV	1
Antieczemic	5
Antiedemic	6
Antielastase	2
Antiencephalitic	1
Antiencephalopathic	6
Antiencephalopathic?	1
Antiendometriotic	1
Antienterotic	1

Activity	Chemical Count
Antiepileptic	4
Antiescherichic	3
Antiestrogenic	3
Antifatigue	3
Antifeedant	3
Antifertility	3
Antifibrinolytic	3
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrotic	1
Antiflu	4
Antifuruncular	1
Antigastric	1
Antigastritic	1
Antigastrotic	1
Antigingivitic	2
Antiglaucomic	1
Antigonadotrophic	1
Antigonadotropic	2
Antigranular	1

Activity	Chemical Count
AntiGTF	2
Antihangover	1
Antihemolytic	1
Antihepatitic	1
Antihepatoadenomic	1
Antihepatotic	1
Antihepatotoxic	8
Antiherpetic	7
Antiherpetic?	1
Antihistaminic	4
AntiHIV	7
Antihomocystinuric	1
Antihydrophobic	1
Antihyperammonemic	1
Antihypercholesterolemic	2
Antihyperglycemic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	9
Antihyperthyroid	2

Activity	Chemical Count
Antihypoglycemic	1
Antiichthyosic	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	3
Antiinflammatory	23
Antiinsomniac	4
Antiischemic	2
AntiLegionella	2
Antileishmanic	2
Antileptic	1
Antileukemic	8
Antileukonychic	1
Antileukotriene	2
Antileukotriene-D4	3
Antilipolytic	1
Antilipoperoxidant	1
Antilithic	3

Activity	Chemical Count
AntiLyme	1
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	2
Antimalarial	3
Antimanic	1
Antimastalgic	1
Antimelanogenic	2
Antimelanomic	1
Antimenopausal	3
Antimenorrhagic	4
Antimetastatic	3
Antimigraine	2
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMRSA	1
AntiMS	3
Antimutagenic	11
Antimyocarditic	1

Activity	Chemical Count
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	1
Antineuropathic	2
Antineurotic	1
Antinitrosaminic	6
Antinociceptive	5
Antinyctalopic	1
Antiobesity	4
Antioncychomycotic	1
Antiophidic	5
Antiosteoarthritic	1
Antiosteoporotic	7
Antiototic	1
Antioxalate	1
Antioxidant	28
Antioxidant?	2
Antipancreatic	1

Activity	Chemical Count
Antiparkinsonian	5
Antipellagic	1
Antiperiodic	1
Antiperiodontal	1
Antiperiodontic	2
Antiperiodontitic	3
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	8
Antipharyngitic	1
Antiphenylketonuric	2
Antiplateau	5
Antiplasmodial	2
AntiPMS	5
Antipodagric	1
Antipodriac	1
Antipolio	2
Antiprogestational	1
Antiprolactin	1
Antiproliferant	2

Activity	Chemical Count
Antiprostaglandin	5
Antiprostanoid	1
Antiprostatadenomic	1
Antiprostatitic	8
Antiprostatotic	1
Antiproteolytic	1
Antipruritic	1
Antipsoriac	2
Antipsychotic	1
Antipyretic	2
Antiradicular	10
AntiRaynaud's	2
Antirenitic	1
Antiretardation	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatic	8
Antiscoliotic	1
Antiseborrheic	1
Antiseptic	8

Activity	Chemical Count
Antiserotonin	2
Antisickling	3
Antispare-Tire	1
Antispasmodic	8
Antispasmophilic	1
Antistaphylococcic	4
Antistomatitic	2
Antistreptococcic	2
Antistress	2
Antistroke	3
Antisunburn	1
Antisyndrome-X	3
Antithiamin	2
Antithrombic	2
Antithyroid	2
Antitic	1
Antitinnitic	1
Antitriglyceride	1
Antitrypanosomic	1
Antitumor	18

Activity	Chemical Count
Antitumor (Bladder)	2
Antitumor (Breast)	2
Antitumor (Cervix)	1
Antitumor (Colon)	3
Antitumor (Forestomach)	1
Antitumor (Liver)	1
Antitumor (Lung)	2
Antitumor (Mouth)	1
Antitumor (Ovary)	1
Antitumor (Prostate)	1
Antitumor (Skin)	4
Antitumor (Stomach)	1
Antitumor-Promoter	7
Antitussive	1
Antitympanitic	1
Antiulcer	11
Antiulcerogenic	1
Antiuremic	1
Antiurethrotic	1
Antivaccinia	1

Activity	Chemical Count
Antiviral	13
Antiviral?	1
Antivittilgic	1
Antiyeast	1
Anxiolytic	6
Aphrodisiac	1
Apoptotic	6
Aromatase-Inhibitor	1
Artemicide	2
Arteriodilator	1
Astringent	3
ATPase-Inhibitor	1
Bacteristat	2
Beta-Blocker	2
Bradycardiac	1
Bronchodilator	1
Calcium-Antagonist	2
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2

Activity	Chemical Count
Cancer-Preventive	25
Candida-SAP-Inhibitor	1
Candidicide	4
Capillariprotective	1
Carcinogenic	8
Cardiac	1
Cardioprotective	7
Cardiotoxic	1
Caspase-8-Inducer	1
Catabolic	1
Chelator	2
Chemopreventive	3
Cholagogue	2
Choleretic	6
Circulotonic	1
Clastogenic	1
CNS-Active	1
CNS-Depressant	1
Co-carcinogenic	1
Collagen-Sparing	1

Activity	Chemical Count
Collagenic	1
Comedolytic	2
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	2
COX-2-Inhibitor	4
Cyclooxygenase-Inhibitor	6
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	8
Deiodinase-Inhibitor	2
Demulcent	1
Deodorant	1
Dermatitigenic	2
Detoxicant	1
Detoxicant (Alcohol)	1
Diaphoretic?	3
Differentiator	1

Activity	Chemical Count
Diuretic	7
DNA-Active	1
DNA-Protective	1
Emetic	1
Emollient	1
Ergogenic	1
Essential	8
Estrogenic	5
Febrifuge	1
FLavor	5
Floral-Inhibitor	1
FPTase-Inhibitor	1
Fungicide	8
Fungistat	1
Gastroprotective	2
Glucosyl-Transferase-Inhibitor	3
Glutathione-Depleting	1
Glutathionigenic	1
Gonadotrophic	1
Gram(+)icide	1

Activity	Chemical Count
Gram(-)-icide	1
Hemolytic	1
Hemostat	3
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	12
Hepatotoxic	1
Hepatotropic	2
Herbicide	1
Histamine-Inhibitor	1
HIV-RT-Inhibitor	4
Hydrocholerectic	1
Hypercholesterolemic	2
Hypertensive	1
Hypnotic	1
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	16
Hypoglycemic	5

Activity	Chemical Count
Hypolipidemic	2
Hypotensive	10
Hypouricemic	1
ICAM-1-Inhibitor	1
Immunomodulator	7
Immunostimulant	7
Immunosuppressant	4
iNOS-Inhibitor	2
Inotropic	2
Insectifuge	6
Insulin-Sparing	1
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	1
JNK-Inhibitor	1
Juvabional	2
Keratolytic	1
Larvicide	1

Activity	Chemical Count
Larvostat	1
Laxative	4
Leptingenic	1
Leukotriene-Inhibitor	1
Lipotropic	1
Lipoxygenase-Inhibitor	5
Litholytic	1
Lubricant	4
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	1
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Metal-Chelator	2
Metal-Chelator (Copper)	2
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mosquitocide	1

Activity	Chemical Count
Mucogenic	1
Mutagenic	2
Myorelaxant	2
NADH-Oxidase-Inhibitor	1
Natriuretic	2
Nematicide	3
NEP-Inhibitor	1
Nephrotoxic	2
Neuroexcitant	1
Neuroinhibitor	1
Neuroprotective	2
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	2
NO-Genic	1
NO-Inhibitor	5
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	4
Osteogenic	1
Ovulant	1

Activity	Chemical Count
Oxidant	2
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	1
Percutaneostimulant	1
Perfumery	2
Pesticide	20
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-Inhibitor	1
Phytoalexin	1
Pigment	1
Pituitary-Stimulant	1
PKC-Inhibitor	1
Plasmodicide	1
Poultice	1
Preservative	1
Prolactinogenic	1
Proliferant	1
Prooxidant	3

Activity	Chemical Count
Propepic	5
Prostaglandigenic	5
Prostaglandin-Synthesis-Inhibitor	4
Protein-Kinase-C-Inhibitor	1
Protisticide	1
Psychotropic	1
PTK-Inhibitor	1
Quinone-Reductase-Inducer	3
Roborant	1
Schizophrenigenic	1
Secretagogue	2
Sedative	3
Serotoninerbic	1
Soap	2
Spermicide	1
Spermigenic	2
Styptic	1
Sunscreen	3
Suppository	1
Teratologic	2

Activity	Chemical Count
Testosteronigenic	1
Thermogenic	1
Tineacide	1
TNF-alpha-Inhibitor	2
TOPO-2-Inhibitor	1
Topoisomerase-I-Antagonist	1
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	2
Tranquilizer	2
Tremorigenic	1
Trichomonicide	1
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	4
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	5
Ulcerogenic	2
Uricosuric	1
Urine-Acidifier	1
Urine-Deodorant	1

Activity	Chemical Count
Uterorelaxant	1
Uterosedative	1
Uterotrophic	1
Vasodilator	9
VEGF-Inhibitor	1
Vulnerary	3
Xanthine-Oxidase-Inhibitor	5