

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Ocimum basilicum***

Activity	Chemical Count
(-)-Chronotropic	2
(-)-Inotropic	2
11B-HSD-Inhibitor	3
5-Alpha-Reductase-Inhibitor	4
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	4
ABeta-Inhibitor	1
Abortifacient	4
Acaricide	9
ACE-Inhibitor	7
AChE-Inhibitor	1
Acidulant	2
Additive	1
Adenylate-Cyclase-Inhibitor	1
Adjuvant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	19
Allelochemic	6
Allelopathic	7
Allergenic	28
Alpha-Reductase-Inhibitor	1
Analgesic	23
Ancylostomicide	1
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	14

Activity	Chemical Count
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Ankylostomacide	1
Anorexic	1
Anthelmintic	5
Antiacetylcholine	1
Antiacetylcholinesterase	11
Antiacid	1
Antiacne	11
Antiacrocyanotic	1
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	3
Antiadenoviral	1
Antiaflatoxin	4
AntiAGE	1
Antiaggregant	16
Antiaging	7
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergenic	1
Antiallergic	16
Antialopepic	6

Activity	Chemical Count
Antialzheimeran	7
Antialzheimeran?	4
Antiamblyopic	1
Antianaphylactic	5
Antiandrogenic	4
Antianemic	3
Antianginal	2
Antiangiogenic	5
Antianorectic	2
Antianorexic	1
Antianoxic	1
Antianxiety	3
Antiapoplectic	1
Antiapoptotic	1
Antiarabiflavivotic	1
Antiarachidonate	1
Antiarrhythmic	8
Antiartherosclerotic	2
Antiarthritic	15
Antiasthmatic	8
Antiasthmatic?	2
Antiatherogenic	3
Antiatherosclerotic	9
Antibacillary	2
Antibacillus	1
Antibackache	1
Antibacterial	52

Activity	Chemical Count
Antiberiberi	1
AntiBPH	1
Antibronchitic	4
Antiburn	1
Anticancer	14
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	1
Anticancer (Lung)	2
Anticancer (Pancreas)	2
Anticancer (Prostate)	1
Anticanker	3
Anticapillary-Fragility	6
Anticarcinogenic	3
Anticarcinomic	5
Anticarcinomic (Breast)	1
Anticarcinomic (Colon)	1
Anticarcinomic (Lung)	1
Anticardiospasmic	1
Anticariogenic	13
Anticarpal-Tunnel	1
Anticataract	9
Anticatarrh	1
Anticellulitic	2
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	2

Activity	Chemical Count
Anticheilitic	2
Antichilblain	1
Anticholestatic	1
Anticholinesterase	3
Anticholinesterase?	1
Anticlastogen	2
Anticlimacteric	3
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticollegenase	1
Anticomplement	2
Anticomplementary	4
Anticonvulsant	8
Anticoronary	4
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
AntiCVS	2
Anticystitic	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	6
Antidepressant	8

Activity	Chemical Count
Antidepressant?	1
Antidermatic	1
Antidermatitic	7
Antidiabetic	12
Antidiabetic?	1
Antidiarrheic	2
Antidiscotic	1
Antidiuretic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	2
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidote (Strychnine)	1
Antidysenteric	4
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrhic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	3
Antieczemic	4
Antiedemic	12
Antielastase	4
Antiemetic	1

Activity	Chemical Count
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antienterotic	1
Antiepileptic	5
Antierhythmic	3
Antiescherichic	8
Antiesophagitic	1
Antiestrogenic	5
Antifatigue	6
Antifeedant	18
Antifertility	4
Antifibrinolytic	2
Antifibromyalgic	1
Antifibrosarcomic	2
Antifibrositic	1
Antifibrotic	2
Antiflu	5
Antifuruncular	1
Antigallstone	1
Antigastric	1
Antigastritic	3
Antigastrotic	1
Antigenotoxic	3
Antigingivitic	3
Antiglaucomic	3

Activity	Chemical Count
Antigliomic	1
Antiglossitic	1
Antiglutamaergic	1
Antigonadotrophic	1
Antigonadotropic	3
Antigranular	1
AntiGTF	1
Antihalitotic	3
Antihangover	4
Antiheartburn	1
Antihelicobacter	3
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	1
Antihemorrhoidal	4
Antihepatitic	2
Antihepatoadenomic	1
Antihepatotic	2
Antihepatotoxic	10
Antitherpetic	13
Antitherpetic?	1
Antihistaminic	17
AntiHIV	9
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1



Activity	Chemical Count
Antihypercholesterolemic	1
Antihyperglycemic	1
Antihyperinsulinemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperleptinemic	1
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	10
Antihyperthyroid	2
Antihypoglycemic	1
Antihysterical	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	2
Antiinfective	1
Antiinfertility	3
Antiinflammatory	44
Antiinsomniac	5
Antiinsomnic	1
Antiintegrase	1
Antiischemic	1
Antikeratitic	1
Antikeratotic	1
Antilaryngitic	1
AntiLegionella	1
Antileishmanic	4

Activity	Chemical Count
Antileptic	3
Antileukemic	11
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antileukotriene-D4	2
Antilipolytic	1
Antilipoperoxidant	3
Antilisteria	2
Antilithic	4
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	6
Antimaculitic	3
Antimalarial	7
Antimange	1
Antimanic	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	1
Antimelanomic	9
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	2

Activity	Chemical Count
Antimetastatic	5
Antimetastatic (Stomach)	1
Antimigraine	5
Antimite	1
Antimitotic	1
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	2
Antimutagenic	21
Antimyocarditic	2
Antimyopic	1
Antineoplastic	1
Antinephritic	6
Antinephrolytic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuropathic	2
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	6
Antinitrosating	1
Antinitrosic	1
Antinociceptive	8
Antinyctalopic	2
Antiobesity	6

Activity	Chemical Count
Antiobesity?	1
Antiodontalgic	2
Antionychyotic	1
Antiophidic	4
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	8
Antiotitic	2
Antiototic	1
Antioxidant	43
Antioxidant (LDL)	3
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipanniculopathic	2
Antipapillomic	1
Antiparkinsonian	5
Antiparotitic	1
Antipellagic	3
Antipeptic	3
Antiperiodontal	1
Antiperiodontic	3
Antiperiodontitic	3
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	7
AntiPGE2	1

Activity	Chemical Count
Antipharyngitic	2
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplateque	9
Antiplasmodial	6
Antiplatelet	1
AntiPMS	5
Antipneumonic	2
Antipodriac	2
Antipolio	2
Antipoliomyelitic	2
Antiporphyric	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	12
Antiproliferative	2
Antiprostaglandin	6
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	6
Antiprostatotic	1
Antiproteolytic	1
Antiprotozoal	1
Antipruritic	4
Antipsoriac	2
Antipsychotic	1

Activity	Chemical Count
Antipulmonotic	1
Antipurpuric	1
Antipyretic	10
Antiradicular	15
AntiRaynaud's	4
Antirenitic	1
Antiretardation	1
Antiretinopathic	1
Antiretinotic	1
Antirheumatalgic	1
Antirheumatic	8
Antirhinitic	2
Antirhinoviral	1
Antisalmonella	9
Antisarcomic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	2
Antisecretory	1
Antiseptic	35
Antiserotonin	1
Antishingles	1
Antishock	3
Antisickling	1
Antisinusitic	2
Antispare-Tire	1

Activity	Chemical Count
Antispasmodic	38
Antispasmophilic	1
Antistaphylococcic	16
Antistomatitic	2
Antistreptococcic	8
Antistress	5
Antistroke	2
Antisunburn	2
Antisyndrome-X	4
Antitartar	1
AntiTGF-beta	2
Antithiamin	2
Antithrombic	1
Antithrombogenic	1
Antithromboxane	2
Antithyreotropic	1
Antithyroid	4
Antitic	1
Antitinnitic	1
AntiTNF	3
Antitrichinosic	1
Antitriglyceride	1
Antitrypanosomic	3
Antitubercular	1
Antituberculic	1
Antitumor	26
Antitumor (Bladder)	1

Activity	Chemical Count
Antitumor (brain)	2
Antitumor (Breast)	7
Antitumor (Cervix)	3
Antitumor (CNS)	1
Antitumor (Colon)	8
Antitumor (Gastric)	1
Antitumor (Kidney)	2
Antitumor (Liver)	1
Antitumor (Lung)	8
Antitumor (Ovary)	3
Antitumor (Pancreas)	4
Antitumor (Prostate)	2
Antitumor (Skin)	6
Antitumor (Stomach)	4
Antitumor (Thyroid)	1
Antitumor-Promoter	7
Antitumor-Promoter?	1
Antitussive	5
Antiulcer	25
Antiulcerogenic	1
Antiuremic	2
Antivaccinia	1
Antivaginitic	2
Antivaricose	2
Antivertigo	1
Antiviral	22
Antiviral?	1



Activity	Chemical Count
Antivulvitic	1
Antixerophthalmic	1
Antiyeast	3
Anxiolytic	8
Aphidifuge	2
Aphrodisiac	1
Apifuge	1
Apoptotic	14
Aromatase-Inhibitor	5
Artemicide	2
Ascaricide	1
Asthma-preventive	1
Astringent	1
Ataxigenic	1
ATPase-Inhibitor	1
Bacteriostatic	1
Bacteristat	4
Barbituate-Synergist	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	4
Beta-Glucuronidase-Inhibitor	5
Bradycardiac	1
Bradycardic	1
Bronchomucolytic	1
Bronchomucotropic	1
Bronchoprotectant	1
Bronchorelaxant	2

Activity	Chemical Count
Bronchorrheic	1
Bruchifuge	1
Bruchiphobe	1
Calcium-Antagonist	14
Calcium-Antagonist?	1
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	4
Cancer-Preventive	53
Candidicide	18
Candidistat	4
Capillarigenic	1
Capillariprotective	2
Carcinogenic	11
Carcinogenic?	1
Cardiodepressant	2
Cardioprotective	8
Cardiotonic	5
Cardiotoxic	1
Carminative	10
Caspase-3-Inducer	1
Caspase-8-Inducer	1
Catabolic	2
Cerebrotoxic	1
Chelator	1
Chemopreventive	10
Cholagogue	1

Activity	Chemical Count
Choleretic	15
Cholesterolytic	1
Cicatrizant	2
Ciliotoxic	1
Circulotonic	1
Clastogenic	1
CNS-Active	1
CNS-Depressant	8
CNS-Inhibitor	1
CNS-Stimulant	7
CNS-Toxic	1
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	1
Collagenic	2
Colorant	1
Comedolytic	1
COMT-Inhibitor	1
Congestant	1
Contraceptive	1
Controlled	1
Convulsant	3
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	7
Counterirritant	5

Activity	Chemical Count
COX-1-Inhibitor	5
COX-2-Inhibitor	10
Culicide	3
Cyclin-B1-Inhibitor	1
Cyclin-D1-Inhibitor	1
Cyclooxygenase-Inhibitor	8
Cytochrome-P450-1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	4
Cytochrome-P450-Inhibitor	1
Cytochrome-P488-Inducer	1
Cytoprotective	2
Cytotoxic	15
Decongestant	2
Decongestant?	1
Degranulant	1
Deiodinase-Inhibitor	4
Deliriant	1
Demulcent	1
Dentifrice	2
Deodorant	3
Dermatitigenic	7
Detoxicant	2
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic	2
Diaphoretic?	3

Activity	Chemical Count
Differentiator	3
Digestive	1
Diuretic	16
DNA-Active	1
DNA-Binder	4
DNA-Protective	2
Dye	2
Ecbolic	1
Edemagenic	1
Elastase-Inhibitor	2
Embryotoxic	1
Emetic	4
Emmenagogue	2
Enterocontractant	1
Enterorelaxant	4
Enterotoxic	1
Epileptigenic	1
Ergogenic	1
Essential	8
Estrogenic	11
Estrogenic?	1
Expectorant	15
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	47
Fungicide	35

Activity	Chemical Count
Fungiphilic	1
Fungistat	4
GABA-nergic	1
Gastroirritant	1
Gastroprotective	3
Gastroedative	1
Gastrostimulant	1
Glaucomagenic	1
Glucosyl-Transferase-Inhibitor	2
Glutathionigenic	3
Goitrogenic	1
Gonadotrophic	1
Gram(+)-icide	2
Gram(-)-icide	2
GST-Inducer	1
Hemolytic	1
Hemostat	3
Hepatocarcinogenic	4
Hepatomagenic	2
Hepatoprotective	17
Hepatoregenerative	1
Hepatotonic	1
Hepatotoxic	3
Hepatotropic	1
Herbicide	15
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	1

Activity	Chemical Count
Histaminic	1
HIV-RT-Inhibitor	2
Hyaluronidase-Inhibitor	2
Hypercholesterolemic	1
Hypertensive	5
Hyperthermic	1
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	17
Hypocholesterolemic?	1
Hypoglycemic	7
Hypolipemic	1
Hypolipidemic	2
Hypotensive	16
Hypothermic	6
Hypouricemic	1
ICAM-1-Inhibitor	3
IKK-Inhibitor	2
Immunomodulator	10
Immunostimulant	8
Immunosuppressant	2
Inflammatory	1
Inhalant	1
iNOS-Inhibitor	4
Inotropic	3
Insect-attractant	1

Activity	Chemical Count
Insect-Repellent	2
Insecticide	19
Insectifuge	27
Insectiphile	5
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	3
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	26
JNK-Inhibitor	1
Juvabional	5
Keratitigenic	1
Lactagogue	1
Larvicide	6
Larvostat	2
Laxative	5
Leptingenic	1
Leucocytogenic	3
Leukotriene-Inhibitor	1
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	13
Lithogenic	1
Litholytic	1



Activity	Chemical Count
Lubricant	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	3
MAPK-Inhibitor	2
Mast-Cell-Stabilizer	1
Metal-Chelator	1
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	2
Metastatic	1
Microvasculokinetic	2
MMP-9-Inhibitor	3
Molluscicide	1
Monoamine-Precursor	2
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	7
Motor-Stimulant	1
Mucogenic	2
Mucolytic	2
Musculotropic	4
Mutagenic	8
Mycobactericide	1
Myoprotective	1
Myorelaxant	16
NADH-Oxidase-Inhibitor	2
Narcotic	2

Activity	Chemical Count
Natriuretic	1
Nematicide	27
Nematostat	1
NEP-Inhibitor	2
Nephroprotective	1
Neurodepressant	1
Neuroexcitant	1
Neurogenic	1
Neuroinhibitor	1
Neuropathogenic	1
Neuroprotective	4
Neurotoxic	4
Neurotransmitter	1
NF-kB-Inhibitor	6
NO-Genic	2
NO-Inhibitor	4
NO-Scavenger	1
NO-Synthase-Inhibitor	2
Nociceptive	1
Nodulation-Signal	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	6
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	2

Activity	Chemical Count
Ozone-Scavenger	1
P21-Inducer	1
P450-2B1-Inhibitor	5
P450-Inducer	5
P450-Inhibitor	1
PAF-Inhibitor	2
Paralytic	1
Pediculicide	2
Percutaneostimulant	1
Perfume	2
Perfumery	47
Peristaltic	1
Pesticide	75
PGE2-Inhibitor	1
Phagocytotic	2
Pheromonal	1
Pheromone	1
Phospholipase-Inhibitor	1
Photosensitizer	1
Piscicide	2
Pituitary-Stimulant	1
PKC-Inhibitor	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Potassium-Sparing	1
Progestational	1
Prolactinogenic	1

Activity	Chemical Count
Proliferant	2
Prooxidant	4
Propepic	4
Prostaglandigenic	2
Prostaglandin-Inhibitor	1
Prostaglandin-Synthesis-Inhibitor	5
Prostaglandin-Synthetase-Inhibitor	1
Prostatitigenic	1
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protisticide	5
Psychoactive	2
Psychotropic	1
PTK-Inhibitor	3
Quinone-Reductase-Inducer	4
Radioprotective	4
Refrigerant	1
Renoirritant	1
Respirainhibitor	1
Respirastimulant	1
Roborant	1
Rubefacient	4
Schizophrenigenic	1
Secretogogue	2
Secretolytic	2
Sedative	31
Serotoninergic	2

Activity	Chemical Count
Soap	1
Sodium-Sparing	1
Spasmogenic	6
Spasmolytic	1
Spermicide	3
Spermigenic	2
Sprout-Inhibitor	1
Stimulant	1
Stomachic	1
Succinoxidase-Inhibitor	1
Sunscreen	7
Suppository	1
Surfactant	1
Sweetener	2
Sympathomimetic	1
Teratogenic	1
Teratologic	2
Termiticide	5
Termitifuge	2
Testosterone-Hydroxylase-Inducer	1
Testosterone-Inducer	1
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	5
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	4
Topoisomerase-II-Inhibitor	5

Activity	Chemical Count
Toxic	4
Tracheorelaxant	2
Tranquilizer	5
Transdermal	7
Tremorigenic	1
Trichomonicide	15
Trichomonistat	2
Trypanocide	2
Trypsin-Enhancer	1
Tumor-Promoter	3
Tumorigenic	3
Tyrosinase-Inhibitor	5
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	2
Ulcerogenic	3
Uricosuric	2
Urinary-Acidulant	1
Urinary-Antiseptic	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterotonic	1
Uterotrophic	2
UV-Screen	2
Varroacide	3
Vasoactive	1
Vasodilator	14

Activity	Chemical Count
Vasopressor	3
Vasoprotective	3
VEGF-Inhibitor	3
Vermicide	2
Vermifuge	2
Verrucolytic	2
Vibriocide	2
Vulnerary	6
Xanthine-Oxidase-Inhibitor	7