

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in Citrus aurantium**

<b>Activity</b>	<b>Chemical Count</b>
11B-HSD-Inhibitor	1
5-Alpha-Reductase-Inhibitor	1
Acaricide	7
ACE-Inhibitor	5
AChE-Inhibitor	1
Acidulant	2
Addictive	1
Aldose-Reductase-Inhibitor	16
Allelochemic	5
Allelopathic	3
Allergenic	25
Allergenic?	1
Alpha-Amylase-Inhibitor	1
Analgesic	13
Ancylostomicide	1
Androgenic?	1
Anesthetic	9
Angiotensin-Receptor-Blocker	3

<b>Activity</b>	<b>Chemical Count</b>
Anhydrotic	1
Ankylostomacide	1
Anthelmintic	3
Anti-LDL	1
Antiacetylcholinesterase	9
Antiacne	10
Antiacrodermatitic	1
Antiacrodynic	1
Antiadenomic	2
Antiadhesive	1
Antiaflatoxin	2
AntiAGE	1
Antiaggregant	8
Antiaging	2
Antiakathisic	1
Antialcoholic	4
Antiallergenic	2
Antiallergic	8
Antialopepic	2
Antialzheimeran	5

Activity	Chemical Count
Antialzheimeran?	2
Antiamblyopic	1
Antiamnesic	1
Anti amyloid-Beta	1
Antianacarditic	1
Antianaphylactic	2
Antiandrogenic	2
Antianemic	3
Antianginal	2
Antiangiogenic	1
Antianorectic	2
Antianorexic	1
Antianxiety	2
Antiapertif	1
Antiaphthic	1
Antiarabiflavinotic	1
Antiarrhythmic	4
Antiartritic	8
Antiasthmatic	7
Antiatheromic	1

Activity	Chemical Count
Antiatherosclerotic	7
Antibacillary	1
Antibackache	1
Antibacterial	38
Antiberiberi	1
AntiBPH	1
Antibradykinic	1
Antibronchitic	1
Antibrucellosic	1
Anticalculic	1
Anticancer	7
Anticancer (Breast)	2
Anticancer (Cervix)	1
Anticancer (Gastric)	1
Anticancer (Kidney)	1
Anticancer (Pancreas)	2
Anticancer (Prostate)	1
Anticanker	3
Anticapillary-Fragility	2
Anticarcinomic	1

<b>Activity</b>	<b>Chemical Count</b>
Anticarcinomic (Colon)	1
Anticarcinomic (Lung)	1
Anticardiospasmic	1
Anticariogenic	11
Anticarpal-Tunnel	1
Anticataleptic	1
Anticataract	5
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	2
Anticheilitic	2
Antichilblain	1
Anticholinesterase	1
Anticlimacteric	3
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	3
Anticonvulsant	5

<b>Activity</b>	<b>Chemical Count</b>
Anticoronary	3
AntiCrohn's	2
AntiCTS	1
Anticystitic	2
Antidandruff	1
Antidecubitic	4
Antideliriant	1
Antidementia	4
Antidepressant	4
Antidermatitic	3
Antidermatotic	1
Antidiabetic	8
Antidiarrheic	3
Antidiscotic	1
Antidiuretic	1
AntiDNA	1
Antidote	2
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Lead)	2

<b>Activity</b>	<b>Chemical Count</b>
Antidote (Paraquat)	1
Antidysenteric	2
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrheic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1
Antieczemic	2
Antiedemic	5
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antienteritic	2
Antienterotic	1
Antiepileptic	4
Antiescherichic	1
Antiesherichic	1
Antiesophagitic	1
Antiestrogenic	1

<b>Activity</b>	<b>Chemical Count</b>
Antifatigue	5
Antifeedant	10
Antifertility	1
Antifibrinolytic	1
Antifibromyalgic	2
Antifibrotic	3
Antiflu	6
Antifuruncular	1
Antigallstone	2
Antigargantitic	1
Antigastritic	3
Antigastrotic	1
Antigingivitic	2
Antiglaucomic	2
Antigliomic	1
Antiglossitic	1
Antiglutamaergic	1
Antihalitotic	1
Antihangover	4
Antiheartburn	1



<b>Activity</b>	<b>Chemical Count</b>
Antihelicobacter	3
Antihemorrhagic	1
Antihemorrhoidal	2
Antihepatitic	1
Antihepatotoxic	3
Antiherpetic	6
Antiherpetic?	1
Antihistaminic	9
AntiHIV	5
Antihydrocoele	1
Antihyperactivity	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihypertensive	6
Antihypoglycemic	1
Antiichthyotic	1
Antiimpotence	1
Antiincontinence	1
Antiinfective	1
Antiinfertility	2

<b>Activity</b>	<b>Chemical Count</b>
Antiinflammatory	19
Antiinsomniac	3
Antiinsomnic	1
Antijet-lag	1
Antikeratitic	1
Antileishmanic	3
Antileptic	3
Antileukemic	5
Antileukodermic	1
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	1
Antilipolytic	1
Antilipoperoxidant	1
Antilithic	4
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphedemic	1
Antilymphocytic	1

<b>Activity</b>	<b>Chemical Count</b>
Antilymphomic	3
Antimaculitic	3
Antimalarial	1
Antimange	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanomic	5
AntiMeniere's	1
Antimenopausal	3
Antimenorrhagic	1
Antimetastatic	4
Antimetastatic (Stomach)	1
Antimigraine	4
Antimite	1
Antimitotic	3
Antimitral-valve-prolapse	1
Antimononucleotic	1
AntiMS	2
Antimutagenic	16

<b>Activity</b>	<b>Chemical Count</b>
Antimycoplasmotic	1
Antimyocarditic	1
Antinephritic	1
Antinephrolytic	1
Antineuralgic	2
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineuropathic	3
Antineurotic	1
Antinitrosaminic	4
Antinitrosic	1
Antinociceptive	2
Antinyctalopic	1
Antiobesity	7
Antionychogryphotic	1
Antionychyotic	1
Antiophidic	2
Antiorchitic	1
Antiosteoarthritic	1

<b>Activity</b>	<b>Chemical Count</b>
Antiosteoporotic	7
Antiotitic	3
Antiototic	1
Antioxidant	22
Antioxidant (LDL)	1
Antioxidant Synergist	2
Antiozenic	1
Antipapillomic	1
Antiparkinsonian	2
Antiparotitic	1
Antipellagic	2
Antiperiodontic	1
Antiperiodontitic	3
Antiperistaltic	1
Antiperoxidative	1
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplantar	1
Antiplateau	3

<b>Activity</b>	<b>Chemical Count</b>
Antiplatelet	1
AntiPMS	4
Antipneumonic	2
Antipodriac	1
Antipolio	1
Antipoliomyelitic	2
Antiporphyrin	1
Antiprolactin	1
Antiproliferant	5
Antiproliferative	2
Antiprostaglandin	2
Antiprostatic	2
Antipruritic	1
Antipsittacotic	1
Antipsoriac	3
Antipyretic	2
Antipyruvetic	1
Antiradicular	7
AntiRaynaud's	3
Antirenitic	1

<b>Activity</b>	<b>Chemical Count</b>
Antiretinopathic	1
Antiretinotic	1
Antirheumatalgic	1
Antirheumatic	5
Antirhinitic	2
AntiRNA	1
Antisalmonella	5
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	2
Antiseptic	27
Antishingles	1
Antishock	2
Antisindhis	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	23
Antispasmophilic	1
Antispastic	1
Antistaphylococcic	9

<b>Activity</b>	<b>Chemical Count</b>
Antistomatitic	3
Antistreptococcic	7
Antistress	4
Antistroke	2
Antisyncopic	1
Antisyndrome-X	4
Antitic	1
Antitinnitic	1
Antitonsilitic	1
Antitoxoplasmotic	1
Antitrichinosic	1
Antitriglyceride	2
Antitubercular	3
Antitumor	13
Antitumor (Breast)	4
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Gastric)	2
Antitumor (GI)	1



<b>Activity</b>	<b>Chemical Count</b>
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	2
Antitumor (Pancreas)	2
Antitumor (Prostate)	4
Antitumor (Skin)	2
Antitumor (Stomach)	2
Antitumor-Promoter	4
Antitussive	3
Antiulcer	15
AntiUTI	1
Antivaccinia	1
Antivaginitic	1
Antivertigo	1
Antiviral	17
Antiviral?	1
Antiwrinkle	1
Antixerophthalmic	1
Antiyeast	2
Anxiolytic	5

<b>Activity</b>	<b>Chemical Count</b>
Aphidifuge	1
Apoptotic	7
Aromatase-Inhibitor	1
Ascaricide	1
Asthma-preventive	1
Astringent	3
Ataxigenic	1
Bacteriostatic	1
Bacteristat	2
Barbituate-Synergist	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bronchoprotectant	1
Bronchorelaxant	2
Bruchiphobe	2
Calcium-Antagonist	5
Calcium-Channel-Blocker	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	26

<b>Activity</b>	<b>Chemical Count</b>
Candidicide	8
Candidostat	3
Capillariprotective	1
Carcinogenic	6
Cardiodepressant	1
Cardioprotective	6
Cardiotonic	2
Cardiotoxic	1
Carminative	3
Caspase-3-Inducer	1
Catabolic	1
Chelator	1
Chemopreventive	8
Choleretic	6
Cholesterolytic	1
Cholinergic	1
Cicatrizant	1
Circulotonic	1
Clastogenic	1
CNS-Depressant	6

<b>Activity</b>	<b>Chemical Count</b>
CNS-Stimulant	2
Cold-preventive	1
Coleoptophile	1
Collagenic	2
Colorant	3
COMT-Inhibitor	1
Contraceptive	2
Copper-Antagonist	1
Corrosive	1
Counterirritant	2
COX-1-Inhibitor	1
COX-2-Inhibitor	1
Culicide	2
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-Inducer	1
Cytochrome-P450-Inhibitor	1
Cytotoxic	3
Decarboxylase-Inhibitor	1
Demulcent	1
Dentifrice	1

<b>Activity</b>	<b>Chemical Count</b>
Deodorant	3
Dermal	1
Dermatitigenic	3
Detoxicant	3
Detoxicant (Alcohol)	1
Differentiator	1
Disinfectant	1
Diuretic	7
DME-Inhibitor	2
Embryotoxic	3
Emetic	5
Emmenagogue	1
Enterocontractant	1
Enterorelaxant	1
Enterotoxigenic	1
Ergogenic	1
ERK-1-Inhibitor	1
ERK-2-Inhibitor	1
Estrogenic	5
Expectorant	11

<b>Activity</b>	<b>Chemical Count</b>
Fibrinolytic	1
Fistula-Preventive	1
FLavor	43
Fungicide	28
Fungiphilic	1
Fungistat	5
Fungitoxic	1
GABA-nergic	1
Gastroirritant	1
Gastroprotective	2
Glaucomagenic	1
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	2
Gram(+)-icide	1
Gram(-)-icide	1
GST-Inducer	1
Hemolytic	2
Hemopoietic	1
Hemorrhagic	1
Hemostat	3

<b>Activity</b>	<b>Chemical Count</b>
Hepatoprotective	4
Hepatotoxic	4
Herbicide	9
Histaminic	1
Hypercholesterolemic	1
Hypertensive	2
Hyperthermic	1
Hypnotic	3
Hypocalcemic	1
Hypocholesterolemic	8
Hypocholesterolemic?	1
Hypoglycemic	5
Hypolipidemic	3
Hypotensive	8
Hypothermic	2
Hypouricemic	1
Immunomodulator	5
Immunostimulant	6
Immunosuppressant	2
Insecticide	9

<b>Activity</b>	<b>Chemical Count</b>
Insectifuge	21
Insectiphile	6
Insulinogenic	2
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	2
Irritant	20
Juvabional	2
Keratitigenic	1
Lactagogue	1
Larvicide	3
Larvostat	1
Laxative	6
Laxative?	2
Leptingenic	1
Lipolytic	2
Lipoxygenase-Inhibitor	4
Lithogenic	1
Litholytic	3
Lubricant	1



<b>Activity</b>	<b>Chemical Count</b>
Lymphocytogenic	1
Lymphokinetic	1
MAO-Inhibitor	1
MDR-Inhibitor	1
Molluscicide	2
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	5
Mucogenic	2
Mucolytic	2
Mucotropic	1
Mutagenic	2
Mutagenic?	1
Mycobactericide	3
Myorelaxant	6
Narcotic	1
Nematicide	15
Neoplastic	1
Nephrotoxic	1
Neurolytic	1

Activity	Chemical Count
Neuroprotective	3
Neurotransmitter	1
NF-kB-Inhibitor	2
NO-Genic	1
NO-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	2
Osteogenic	1
Osteolytic	1
Ovicide	1
Oviposition-Stimulant	1
Oxytocic?	1
Ozone-Scavenger	1
P450-1A-Inducer	1
P450-2B-Inducer	1
P450-2B1-Inhibitor	6
P450-Inducer	2
P450-Inhibitor	1
Perfume	1
Perfumery	35

<b>Activity</b>	<b>Chemical Count</b>
Peristaltic	2
Pesticide	62
Phagocytotic	2
Pheromonal	1
Photoactive	1
Photosensitizer	1
Phototoxic	1
Phytoalexin	1
Piscicide	2
Preservative	1
ProHDL	1
Prooxidant	3
Propepic	1
Prostatitigenic	1
Protisticide	1
Psychotropic	1
Quinone-Reductase-Inducer	1
Refrigerant	1
Renoirritant	1
Respirapalytic	1

<b>Activity</b>	<b>Chemical Count</b>
Respirodepressant	1
Rodenticide	2
Rubefacient	1
Schizophrenigenic	1
Sclerosant	1
Scolicide	1
Sedative	19
Serotonin-Inhibitor	1
Serotoninergetic	1
Sialogogue	1
Soap	1
Spasmogenic	5
Spasmolytic	1
Spermicide	2
Spermigenic	1
Sprout-Inhibitor	1
Sunscreen	1
Surfactant	1
Systolic-Depressant	1
Teratogenic	4

<b>Activity</b>	<b>Chemical Count</b>
Termiticide	2
Termitifuge	2
Testosterone-Inducer	1
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	1
Topoisomerase-I-Inhibitor	1
Toxic	1
Tracheorelaxant	1
Tranquilizer	3
Transdermal	4
Tremorigenic	1
Tremorilytic	1
Trichomonicide	11
Trypanocide	1
Tumor-Promoter	2
Tumorigenic	1
Tyrosinase-Inhibitor	4
Ubiquiot	2
Ulcerogenic	2

<b>Activity</b>	<b>Chemical Count</b>
Uricosuric	2
Urinary-Acidulant	1
Urinary-Antiseptic	1
Uterorelaxant	1
Uterotrophic	1
Varroacide	1
Vasodilator	7
Vasopressor	1
Vermicide	2
Vermifuge	1
Verrucolytic	1
Vitamin-A-Activity	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	2