

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Lycopersicon esculentum***

Activity	Chemical Count
11B-HSD-Inhibitor	3
5-Alpha-Reductase-Inhibitor	6
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	1
Absorbent	1
Acaricide	4
Acarifuge	1
ACE-Inhibitor	3
Acetylcholinergic	1
Acidifier	1
Acidulant	4
Acnegenic	1
Addictive	1
Additive	2
Adjuvant	1
Adrenergic	2
Aggregant	1

Activity	Chemical Count
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	9
Allelochemic	9
Allelopathic	2
Allergenic	19
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Analeptic	1
Analgesic	20
Anaphrodisiac	1
Androgenic	2
Androgenic?	1
Anemiagenic	1
Anesthetic	8
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anhydrotic	1
Anorexic	3
Antiacetylcholinesterase	1

Activity	Chemical Count
Antiacid	1
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	1
Antiadenoviral	1
Antiadrenalinic	1
Antiaflatoxin	3
AntiAGE	2
Antiaggregant	15
Antiaging	5
Antiakathisic	1
Antialcoholic	5
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergenic	1
Antiallergic	9
Antialopepic	5

Activity	Chemical Count
Antialzheimeran	8
Antiamblyopic	1
Antiamebic	1
Antiamnesic	1
Antiamyloid-Beta	1
Antianaphylactic	3
Antiandrogenic	4
Antianemic	5
Antianginal	3
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiapoplectic	1
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	6
Antiarteriosclerotic	3
Antiarthritic	13

Activity	Chemical Count
Antiasthmatic	7
Antiatherogenic	2
Antiatheromic	1
Antiatherosclerotic	14
Antibackache	1
Antibacterial	35
Antiberiberi	1
AntiBPH	1
Antibronchitic	1
Anticalculic	1
Anticancer	11
Anticancer (Bladder)	1
Anticancer (Breast)	4
Anticancer (Cervix)	3
Anticancer (Colon)	3
Anticancer (Esophagus)?	1
Anticancer (Forestomach)	2
Anticancer (Liver)	4
Anticancer (Lung)	1
Anticancer (Prostate)	1

Activity	Chemical Count
Anticancer (Skin)	2
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticardotic	1
Anticariogenic	1
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	4
Anticerebrotic	1
Anticervicaldysplasic	4
AntiCFS	3
Anticheilitic	3
Antichilblain	1
Anticholinesterase	1
Antichoreic	2
Anticirrhotic	2

Activity	Chemical Count
Anticirrhotic?	1
Anticlastogen	2
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	2
Anticonvulsant	6
Anticorneotic	1
Anticoronary	5
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Anticystitic	1
Antidandruff	3
Antidecubitic	4
Antideliriant	1

Activity	Chemical Count
Antidementia	8
Antidepressant	12
Antidepressant?	1
Antidermatitic	7
Antidiabetic	16
Antidiabetic?	1
Antidiarrheic	1
Antidiscotic	1
Antidiuretic	1
Antidote	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Iodine)	1
Antidote (Lead)	3
Antidote (Manganese)	1
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1

Activity	Chemical Count
Antidrepanocytic	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	5
Antiedemic	12
Antielastase	2
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterococcic	1
Antienterotic	1
Antiepileptic	6
Antierythemic	1

Activity	Chemical Count
Antiescherichic	5
Antiesophagitic	1
Antiestrogenic	5
Antifatigue	7
Antifeedant	12
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	4
Antiflu	5
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	5
Antigastrotic	1
Antigenotoxic	2
Antigiardial	1
Antigingivitic	3
Antiglaucomic	3

Activity	Chemical Count
Antiglossitic	2
Antiglycosuric	1
Antigoiter	1
Antigonadotrophic	1
Antigonadotropic	3
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	1
Antihalitosis	1
Antihangover	5
Antiheartburn	1
Antihelicobacter	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	3
Antihemorrhoidal	2
Antihepatitic	2
Antihepatoadenomic	1
Antihepatocarcinogenic	1

Activity	Chemical Count
Antihepatotic	1
Antihepatotoxic	11
Antiherpetic	16
Antiherpetic?	1
Antihiccup	1
Antihistaminic	9
AntiHIV	7
Antihomocysteine	1
Antihomocystinuric	2
Antihydrocoele	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperglycemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	12
Antihyperthyroid	3

Activity	Chemical Count
Antihypoglycemic	1
Antiichthyotic	1
Antiilus?	1
Antiimplantation	1
Antiimpotence	2
Antiincontinence	1
Antiinfarctal	1
Antiinfective	1
Antiinfertility	5
Antiinflammatory	31
Antiinsomniac	6
Antiinsomniac?	1
Antiinsomnic	1
Antiinsulinogenic	1
Antiischemic	1
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
Antiketotic	2
Antiklebsielllic	1

Activity	Chemical Count
Antilactobacillic	1
AntiLegionella	2
Antileishmanic	3
Antileptic	2
Antilethargic	1
Antileukemic	9
Antileukonychic	1
Antileukoplakic	1
Antileukorrhic	1
Antileukotriene	4
Antileukotriene-D4	3
Antilipolytic	1
Antilipoperoxidant	2
Antilisteria	1
Antilithic	5
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	6

Activity	Chemical Count
Antimalarial	3
Antimanic	4
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	4
AntiMeniere's	1
Antimenopausal	5
Antimenorrhagic	4
Antimetastatic	6
Antimigraine	6
Antimitotic	2
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	3
Antimutagenic	22
Antimutilation	1
Antimyalgic	1
Antimyelotoxic	1

Activity	Chemical Count
Antimyotrophic	1
Antimyocarditic	2
Antinauseant	1
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	4
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	5
Antinitrosating	1
Antinitrosic	1
Antinociceptive	7
Antinyctalopic	2
Antiobesity	6

Activity	Chemical Count
Antiodontalgic	1
Antionychogryphotic	1
Antionychyotic	1
Antiophidic	3
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	4
Antiosteoporotic	9
Antiotitic	3
Antiototic	1
Antioxalate	1
Antioxidant	38
Antioxidant Synergist	4
Antioxidant?	2
Antiozenic	1
Antipancreatitic	1
Antipapillomic	1
Antiparkinsonian	10
Antiparotitic	1
Antipellagic	3

Activity	Chemical Count
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	4
Antiperistaltic	2
Antipermeability	1
Antiperoxidant	6
Antiperoxidative	1
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	5
Antiplasmodial	1
Antiplatelet	1
AntiPMS	6
Antipneumonic	3
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2

Activity	Chemical Count
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	6
Antiprostaglandin	6
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	9
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	4
Antipseudomonic	1
Antipsoriac	3
Antipsychotic	3
Antipurpuric	2
Antipyretic	5
Antipyruvetic	1
Antiradicular	16
AntiRaynaud's	3
Antiretardation	1

Activity	Chemical Count
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatalgic	1
Antirheumatic	11
Antirheumatitic?	1
Antirhinitic	2
Antisalmonella	3
Antischizophrenic	1
Antiscoliotic	1
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	4
Antiseptic	28
Antiserotonin	2
Antishingles	1
Antishock	1
Antisickling	4
Antisilicotic	1
Antisindhis	1

Activity	Chemical Count
Antisinusitic	2
Antispare-Tire	1
Antispasmodic	18
Antispasmophilic	1
Antispastic	1
AntiSpina-Bifida	1
Antistaphylococcic	9
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	1
Antistress	5
Antistroke	3
Antisunburn	3
Antisyncopic	1
Antisyndrome-X	7
Antitachycardic	1
Antitartar	1
Antithiamin	2
Antithrombic	2
Antithrombogenic	2

Activity	Chemical Count
Antithromboxane	2
Antithyroid	3
Antithyrotoxic	1
Antitic	1
Antitinnitic	2
AntiTNF	1
Antitourette	1
Antitriglyceride	2
Antitrypanosomic	2
Antitubercular	4
Antituberculic	1
Antitumor	26
Antitumor (Bladder)	3
Antitumor (brain)	1
Antitumor (Breast)	7
Antitumor (Cervix)	3
Antitumor (CNS)	1
Antitumor (Colon)	7
Antitumor (Esophagus)?	1
Antitumor (Forestomach)	2

Activity	Chemical Count
Antitumor (Gastric)	1
Antitumor (Liver)	4
Antitumor (Lung)	5
Antitumor (Ovary)	1
Antitumor (Prostate)	5
Antitumor (Skin)	5
Antitumor (Stomach)	2
Antitumor-Promoter	9
Antitussive	2
Antiulcer	21
Antiulcerogenic	2
Antiurease	1
Antiuremic	1
Antiurethrotic	1
Antivaccinia	1
Antivaginitic	3
Antivaricose	2
Antivertigo	1
Antiviral	24
Antiviral?	1

Activity	Chemical Count
Antivitiliginic	1
Antiwrinkle	1
Antixerophthalmic	1
Antixerotic	1
Antiyeast	1
Anxiolytic	9
AP-1-Inhibitor	1
Aphidifuge	1
Aphrodisiac	1
Apifuge	1
Apoptotic	7
Aromatase-Inhibitor	2
Artemicide	3
Arteriodilator	2
Asthma-preventive	1
Astringent	3
Atherogenic	1
ATPase-Inhibitor	2
Autotoxic	1
Avicide	1

Activity	Chemical Count
Bacteristat	3
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchorelaxant	1
Bruchifuge	1
Bruchiphobe	3
Calcium-Antagonist	6
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	4
Cancer-Preventive	45
Cancer-Preventive?	1
Candidicide	11
Capillariprotective	2
Carcinogenic	7
Carcinogenic?	1
Cardiac	1

Activity	Chemical Count
Cardioactive	1
Cardiodepressant	3
Cardiomyopathogenic	1
Cardioprotective	12
Cardioprotective?	1
Cardiotonic	3
Cardiotoxic	1
Cardiovascular	2
Carminative	2
Caspase-3-Inducer	1
Caspase-8-Inducer	1
Catabolic	2
Cerebrophilic	1
Cerebrotonic	1
Chemopreventive	8
Cholagogue	3
Choleretic	11
Cholesterolytic	2
Cholinergic	2
Chronotropic	1

Activity	Chemical Count
Circulatory-Stimulant	1
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	7
CNS-Inhibitor	1
CNS-Paralytic	1
CNS-Stimulant	2
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenic	2
Collyrium	1
Colorant	8
Comedogenic	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1

Activity	Chemical Count
Copper-Chelator	2
Corrosive	1
Cosmetic	3
Counterirritant	2
COX-1-Inhibitor	2
COX-2-Inhibitor	6
Cyclooxygenase-Activator	1
Cyclooxygenase-Inhibitor	3
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	2
Cytoprotective	2
Cytotoxic	12
Decarboxylase-Inhibitor	1
Deiodinase-Inhibitor	1
Deliriant	1
Demulcent	2
Dentifrice	1
Deodorant	2
Depressant	1
Dermal	1

Activity	Chemical Count
Dermatitigenic	3
Detoxicant	2
Detoxicant (Alcohol)	1
Diaphoretic?	3
Differentiator	1
Disinfectant	1
Diuretic	16
DNA-Active	1
DNA-Protective	1
Dye	3
Embryotoxic	1
Emetic	3
Emmenagogue	1
Emollient	1
Encephalopathic	1
Energizer	1
Enterorelaxant	1
Epidermal-Stimulant	1
Ergogenic	1
Erythrocytogenic	1

Activity	Chemical Count
Essential	8
Estrogenic	7
Estrogenic?	1
Ethanolytic	1
Expectorant	6
Fatal	1
Febrifuge	1
Ferulosys-genic	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	26
FPTase-Inhibitor	1
Fungicide	28
Fungistat	3
Fungitoxic	1
Gastroprotective	3
Glaucomagenic	1
Glucogonogenic	1
Glucosyl-Transferase-Inhibitor	1

Activity	Chemical Count
Glutathionigenic	2
Goitrogenic	1
Gonadotrophic	1
Hematopoietic	1
Hemolytic	3
Hemopoietic	1
Hemorrhagic	1
Hemostat	6
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	17
Hepatotonic	3
Hepatotoxic	2
Hepatotropic	2
Herbicide	7
Herbistat	1
Herpetifuge	1
Histamine-Inhibitor	2
Histaminic	1

Activity	Chemical Count
HIV-RT-Inhibitor	2
Hydrocholerectic	1
Hypercholesterolemic	3
Hyperglycemic	1
Hypertensive	6
Hyperthyroid	1
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	1
Hypocalcemic	1
Hypocholesterolemic	21
Hypoglycemic	15
Hypolipidemic	3
Hypotensive	20
Hypothermic	1
Hypotriglyceridemic	1
Hypouricemic	1
ICAM-1-Inhibitor	1
Ileorelaxant	1
Immunomodulator	10

Activity	Chemical Count
Immunostimulant	12
Immunosuppressant	2
iNOS-Inhibitor	2
Inotropic	3
Insecticide	7
Insectifuge	14
Insectifuge?	1
Insectiphile	4
Insulin-Sparing	1
Insulinase-Inhibitor	2
Insulinic	1
Insulinogenic	4
Insulinotonic	2
Interferon-Synergist	1
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	17
JNK-Inhibitor	1
Juvabional	5
Keratitigenic	1

Activity	Chemical Count
Keratolytic	2
Larvicide	2
Larvostat	3
Laxative	6
Laxative?	2
Leptogenic	1
Leukotriene-Inhibitor	2
Lipolytic	1
Lipotropic	3
Lipoxygenase-Inhibitor	8
Lithogenic	2
Litholytic	2
Lubricant	3
Lyase-Inhibitor	1
Lymphocytogenic	1
MAO-A-Inhibitor	2
MAO-Inhibitor	2
Mast-Cell-Stabilizer	1
Memorigenic	2
Memory-Enhancer	1

Activity	Chemical Count
Memranolytic	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
Metastatic	1
Mitotic	1
MMP-9-Inhibitor	1
Molluscicide	1
Monoamine-Precursor	3
Monoaminergic	1
Mosquitocide	1
Motor-Depressant	2
Mucogenic	3
Mucolytic	2
Mucotropic	1
Mutagenic	5
Mycobactericide	4
Myoprotective	1
Myorelaxant	4
Myostimulant	1

Activity	Chemical Count
NADH-Oxidase-Inhibitor	1
Narcotic	3
Natriuretic	2
Nematicide	8
Nematostat	1
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	4
Neuroexcitant	1
Neuroinhibitor	2
Neurolytic	1
Neuroprotective	4
Neurotoxic	5
Neurotransmitter	2
NF-kB-Inhibitor	4
NO-Genic	2
NO-Inhibitor	3
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5

Activity	Chemical Count
Osmoregulator	1
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	2
Ovulant	1
Oxidant	3
P450-2B1-Inhibitor	2
P450-Inducer	1
P450-Inhibitor	2
PAF-Inhibitor	3
Pancreatoxic	1
Paralytic	1
Parasiticide	1
Parasympathomimetic	1
Percutaneostimulant	1
Perfumery	17
Peristaltic	1
Pesticide	67
PGE2-Inhibitor	1
Phagocytotic	2

Activity	Chemical Count
Phospholipase-Inhibitor	1
Phytoalexin	3
Phytohormonal	2
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1
Poultice	1
Preservative	3
Previtamin-A	1
Prolactinogenic	1
Proliferant	1
Prooxidant	5
Propepic	6
Prostaglandigenic	3
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	8
Prostatitigenic	1
Protein-Kinase-C-Inhibitor	2
Protisticide	4
PTK-Inhibitor	1

Activity	Chemical Count
Pyrogenic	1
Quinone-Reductase-Inducer	4
Radioprotective	1
Refrigerant	1
Renotoxic	1
Respiraparalytic	1
Respirastimulant	1
Retinoprotectant Optometry	1
Roborant	1
Rodenticide	2
Rubefacient	2
Scabicide	1
Schizophrenigenic	1
Sclerosant	1
Secretagogue	1
Secretomotor	1
Sedative	15
Sequestrant	1
Serotonin-Inhibitor	1
Serotonergic	2

Activity	Chemical Count
Sialogogue	1
Soap	2
Spasmogenic	3
Spermicide	2
Spermigenic	2
Sprout-Inhibitor	2
Sunscreen	5
Suppository	1
Surfactant	1
Sweetener	3
Sympathomimetic	1
Tachycardic	1
Teratogenic	5
Teratologic	2
Termiticide	3
Testosteronigenic	1
Thymoprotective	1
Thyrotropic	1
TNF-alpha-Inhibitor	3
TOPO-2-Inhibitor	1

Activity	Chemical Count
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	3
Toxic	3
Tranquilizer	5
Transdermal	2
Tremorigenic	1
Tremorilytic	1
Trichomonicide	3
Trichomonistat	1
Triglycerigenic	1
Trypanocide	1
Trypsin-Enhancer	1
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	8
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	6
Ulcerogenic	5
Uricogenic	1
Uricosuric	3

Activity	Chemical Count
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	2
Varroacide	2
Vasoconstrictor	2
Vasodilator	15
Vasopressor	4
VEGF-Inhibitor	2
Vermifuge	1
Verrucolytic	1
Vertigenic	1
Vibriocide	1
Vulnerary	7
Xanthine-Oxidase-Inhibitor	3