

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Abelmoschus esculentus***

Activity	Chemical Count
Xanthine-Oxidase-Inhibitor	2
Vulnerary	2
VEGF-Inhibitor	1
Vasodilator	8
Varroacide	1
Uterorelaxant	1
Urine-Deodorant	1
Urine-Acidifier	1
Urinary-Acidulant	1
Uricosuric	4
Ulcerogenic	2
Ubiquiot	1
Tyrosine-Kinase-Inhibitor	1
Tyrosinase-Inhibitor	2
Tumorigenic	2
Tumor-Promoter	1
Trypanocide	1
Trichomonicide	2
Tremorilytic	1
Tremorigenic	1
Tranquilizer	2
Toxic	2
Topoisomerase-II-Inhibitor	2
Topoisomerase-I-Inhibitor	1
TNF-alpha-Inhibitor	1
Testosteronigenic	1
Teratologic	1

Activity	Chemical Count
Teratogenic	2
Sweetener	1
Surfactant	1
Suppository	1
Spermigenic	2
Spermicide	2
Soap	2
Serotoninergetic	2
Sedative	4
Sclerosant	1
Schizophrenigenic	1
Scabicide	1
Rubefacient	1
Roborant	1
Renotoxic	1
Quinone-Reductase-Inducer	2
PTK-Inhibitor	1
Protein-Kinase-C-Inhibitor	1
Prostatitigenic	1
Prostaglandin-Synthesis-Inhibitor	2
Prostaglandigenic	1
Propecic	4
Prooxidant	1
Proliferant	1
Prolactinogenic	1
Poultice	1
Plasmodicide	1

Activity	Chemical Count
PKC-Inhibitor	1
Pituitary-Stimulant	1
Pigment	1
Phospholipase-Inhibitor	1
PGE2-Inhibitor	1
Pesticide	15
Peristaltic	1
Perfumery	4
Percutaneostimulant	2
Parasiticide	1
Paralytic	1
P450-Inhibitor	1
P450-Inducer	1
P450-2B1-Inhibitor	1
Oxidant	2
Ovulant	1
Osteogenic	1
Ornithine-Decarboxylase-Inhibitor	1
NO-Synthase-Inhibitor	1
NO-Inhibitor	3
NO-Genic	1
NF-kB-Inhibitor	3
Neurotransmitter	1
Neurotoxic	1
Neuroprotective	2
Neurolytic	1
Neuroinhibitor	1

Activity	Chemical Count
Neuroexcitant	1
NEP-Inhibitor	1
Nematostat	1
Nematicide	4
Natriuretic	1
Narcotic	1
NADH-Oxidase-Inhibitor	1
Myorelaxant	2
Mutagenic	2
Mucotropic	1
Mucolytic	1
Mucogenic	1
Monoamine-Precursor	3
MMP-9-Inhibitor	1
Metastatic	1
Metalloproteinase-Inhibitor	1
Metal-Chelator (Copper)	1
Mast-Cell-Stabilizer	1
MAO-A-Inhibitor	1
Lubricant	3
Litholytic	1
Lithogenic	1
Lipoxygenase-Inhibitor	2
Lipotropic	1
Libidolytic	1
Leptogenic	1
Laxative	4

Activity	Chemical Count
Larvostat	1
Larvicide	1
Keratolytic	1
Juvabional	1
Irritant	4
Interferonogenic	2
Insulinotonic	1
Insulinogenic	3
Insulinase-Inhibitor	1
Insectifuge	5
Inotropic	1
iNOS-Inhibitor	1
Immunosuppressant	1
Immunostimulant	4
Immunomodulator	6
Hypouricemic	1
Hypotensive	9
Hypolipidemic	2
Hypokalemic	1
Hypoglycemic	8
Hypocholesterolemic	17
Hypocalcemic	1
Hypoarginanemic	1
Hypoammonemic	1
Hypnotic	2
Hypertensive	2
Hyperglycemic	1

Activity	Chemical Count
Hypercholesterolemic	2
HIV-RT-Inhibitor	1
Herbicide	1
Hepatotoxic	3
Hepatoprotective	5
Hepatomagenic	1
Hemostatic	1
Hemostat	2
Hemolytic	1
Hematopoietic	1
Gonadotrophic	1
Glutathionigenic	2
Glucosyl-Transferase-Inhibitor	1
Glaucomagenic	1
Fungicide	6
FLavor	7
Fistula-Preventive	1
Fibrinolytic	1
Febrifuge	1
Fatal	1
Expectorant	2
Estrogenic	4
Essential	8
Ergogenic	1
Emollient	1
Emetic	1
Diuretic	6

Activity	Chemical Count
Differentiator	1
Diaphoretic?	1
Detoxicant (Alcohol)	1
Detoxicant	1
Dermatitigenic	2
Deodorant	1
Demulcent	2
Deiodinase-Inhibitor	1
Cytotoxic	3
Cytochrome-P450-1A2-Inhibitor	1
Cyclooxygenase-Inhibitor	2
COX-2-Inhibitor	1
Cosmetic	2
Copper-Chelator	1
Copper-Antagonist	1
Contraceptive (Male)	1
Contraceptive	1
COMT-Inhibitor	1
Comedolytic	1
Comedogenic	1
Collagenic	2
Cold-preventive	1
CNS-Paralytic	1
CNS-Depressant	2
Circulotonic	2
Choleretic	2
Chemopreventive	2

Activity	Chemical Count
Catabolic	1
Caspase-8-Inducer	1
Caspase-3-Inducer	1
Cardiotoxic	1
Cardioprotective	8
Carcinogenic	4
Capillariprotective	1
Candidicide	3
Cancer-Preventive	21
cAMP-Phosphodiesterase-Inhibitor	1
Calmodulin-Antagonist	1
Calcium-Channel-Blocker	1
Calcium-Antagonist	4
Bronchorelaxant	1
Bradycardiac	1
Beta-Glucuronidase-Inhibitor	1
Beta-Blocker	2
Beta-Adrenergic Receptor Blocker	1
Barbituate-Synergist	1
Bacteristat	1
Avicide	1
ATPase-Inhibitor	1
Astringent	1
Asthma-preventive	1
Artemicide	2
Apoptotic	4
Aphrodisiac	1



Activity	Chemical Count
Anxiolytic	5
Antivertigic	1
Antiviral?	1
Antiviral	7
Antivertigo	1
Antiuricosuric	1
Antiuremic	1
Antiulcer	10
Antitussive	1
Antitumor-Promoter	2
Antitumor (Stomach)	1
Antitumor (Skin)	2
Antitumor (Prostate)	2
Antitumor (Ovary)	1
Antitumor (Lung)	3
Antitumor (Liver)	1
Antitumor (Gastric)	1
Antitumor (Colon)	3
Antitumor (Cervix)	1
Antitumor (Breast)	2
Antitumor (Bladder)	2
Antitumor	6
Antitrypanosomic	2
Antitriglyceride	1
Antitinnitic	1
Antitic	1
Antithrombic	1

Activity	Chemical Count
Antithiamin	1
Antitestosterone	1
Antisyndrome-X	4
Antistroke	3
Antistress	3
Antistreptococcic	1
Antistomatitic	2
AntiSpina-Bifida	1
Antispermatogenic	1
Antispasmophilic	1
Antispasmodic	6
Antispare-Tire	1
Antisickling	2
Antishock	1
Antishingles	1
Antiseptic	7
Antiseborrheic	1
Antiscotomic	1
Antiscorbatic	1
Antiscoliotic	1
Antirhinitic	1
Antirheumatic?	1
Antirheumatic	5
Antiretinotic	2
Antiretinopathic	1
Antiretardation	1
AntiRaynaud's	3

Activity	Chemical Count
Antiradicular	3
Antirabies	1
Antipyretic	3
Antipsychotic	2
Antipsoriac	1
Antipruritic	2
Antiprostatotic	1
Antiprostatitic	6
Antiprostataadenomic	1
Antiprostanoid	1
Antiprostaglandin	3
Antiproliferant	2
Antiprolactin	1
Antiprogestosterone	1
Antiprogestational	1
Antipolyneuritic	1
Antipoliomyelitic	2
Antipolio	1
Antipodriac	2
Antipneumonic	1
AntiPMS	4
Antiplasmodial	2
Antiplateque	4
Antiphotophobic	1
Antiphenylketonuric	2
Antipharyngitic	1
Antiperoxidant	1

Activity	Chemical Count
Antipermeability	1
Antiperistaltic	1
Antiperiodontic	4
Antiperiodontal	1
Antipellagic	3
Antiparotitic	1
Antiparkinsonian	7
Antipancreatic	1
Antioxidant?	2
Antioxidant	18
Antiototic	1
Antiosteoporotic	7
Antiosteoarthritic	2
Antiorchitic	1
Antiophidic	2
Antiobesity	5
Antinyctalopic	1
Antinociceptive	3
Antinitrosic	1
Antinitrosaminic	1
Antineurotic	1
Antineuropathic	4
Antineuritic	1
Antineurasthenic	1
Antineuramidase	1
Antineuralgic	2
Antinesidioblastosic	1

Activity	Chemical Count
Antinephrolytic	1
Antinephritic	1
Antimyocarditic	2
Antimyelotoxic	1
Antimutagenic	6
AntiMS	3
Antimorphinic	1
Antimitral-valve-prolapse	1
Antimigraine	5
Antimetastatic	3
Antimenorrhagic	2
Antimenopausal	4
AntiMeniere's	1
Antimelanomic	1
Antimeasles	1
Antimastalgic	1
Antimanic	1
Antimalarial	2
Antimaculitic	3
Antilymphomic	2
AntiLyme	5
Antilithic	4
Antilipoperoxidant	1
Antileukotriene-D4	3
Antileukotriene	1
Antileukonychic	1
Antileukemic	2

Activity	Chemical Count
Antileptic	2
Antileishmanic	2
Antikeratitic	2
Antiischemic	1
Antiinsomnic	1
Antiinsomniac?	1
Antiinsomniac	4
Antiinflammatory	12
Antiinfertility	4
Antiinfective	1
Antiinfarctal	1
Antiimpotence	2
Antiimplantation	1
Antielus?	1
Antihypoglycemic	1
Antihypertensive	8
Antihyperlipoproteinaemic	1
Antihyperkinetic	2
Antihypercholesterolemic	1
Antihyperammonemic	1
Antihyperactivity	1
Antihydrophobic	1
Antihomocystinuric	1
AntiHIV	3
Antihistaminic	5
Antiherpetic?	1
Antiherpetic	7

Activity	Chemical Count
Antihepatotoxic	3
Antihepatotic	1
Antihepatitic	2
Antihemorrhagic	2
Antihepatic	1
Antiheartburn	1
Antihangover	4
AntiGTF	1
Antigrey	1
Antigranular	1
Antigonadotropic	1
Antigonadotrophic	1
Antiglossitic	2
Antiglaucomic	2
Antigingivitic	2
Antigastrotic	1
Antigastritic	4
Antigastric	1
Antigallstone	2
Antifuruncular	1
Antiflu	2
Antifibrotic	2
Antifibrosarcomic	1
Antifibromyalgic	1
Antifibrinolytic	2
Antifertility	2
Antifeedant	3

Activity	Chemical Count
Antifatigue	6
Antiestrogenic	3
Antiescherichic	1
Antiepileptic	5
Antienterotic	1
Antienteritic	1
Antiendometriotic	2
Antiencephalopathic?	1
Antiencephalopathic	7
Antiencephalitic	3
Antielastase	1
Antiedemic	2
Antieczemic	5
Antidysphagic	1
Antidyspeptic	1
Antidysmenorrhic	1
Antidyskinetic	2
Antidysgeuzic	1
Antidote (Paraquat)	1
Antidote (Paracetamol)	1
Antidote (Lead)	2
Antidote (Iodine)	1
Antidote (Hypoglycin-A)	1
Antidote (Cadmium)	2
Antidote (Aluminum)	2
Antidote (Acetaminophen)	1
Antidiscotic	1



Activity	Chemical Count
Antidiarrheic	1
Antidiabetic?	1
Antidiabetic	10
Antidermatitic	3
Antidepressant?	1
Antidepressant	8
Antidementia	6
Antideliriant	1
Antidecubitic	3
Antidandruff	2
Anticystitic	1
AntiCTS	1
AntiCRP	1
AntiCrohn's	3
AntiCorpus-Luteum	1
Anticoronary	3
Anticonvulsant	3
Anticomplementary	1
Anticolitic	3
Anticold	2
Anticoeliac	1
Anticlimacteric	3
Anticlaudificant?	1
Antichilblain	1
Anticheilitic	3
AntiCFS	2
Anticervicaldysplasic	3

Activity	Chemical Count
Anticephalagic	3
Anticataract	9
Anticarpal-Tunnel	1
Anticariogenic	1
Anticardiospasmic	1
Anticarcinomic (Breast)	1
Anticancer	3
Anticancer (Lung)	1
Anticancer (Cervix)	1
Anticancer (Breast)	1
Anticancer	4
AntiBPH	1
Antibiotic	1
Antiberiberi	1
Antibacterial	9
Antibackache	1
Antiatherosclerotic	7
Antiatheromic	1
Antiasthmatic	4
Antiarthritic	11
Antiarteriosclerotic	2
Antiarrhythmic	3
Antiarabiflavinotic	1
Antianxiety	3
Antianorexic	1
Antianorectic	2
Antiangiogenic	2

Activity	Chemical Count
Antianginal	3
Antianemic	4
Antiandrogenic	4
Antianaphylactic	3
Antiamblyopic	1
Antialzheimeran	6
Antialopepic	4
Antiallergic	6
Antiallergenic	1
Antialkalotic	1
Antialkali?	1
Antialdosteronic	1
Antialcoholic	4
Antiakathisic	1
Antiaging	2
Antiaggregant	4
AntiAGE	1
Antiaflatoxin	1
Antiadenomic	1
AntiADD	1
Antiacrodynic	1
Antiacrodermatitic	1
Antiacne	4
Antiacid	1
Anorexic	1
Anhydrotic	1
Angiotensin-Receptor-Blocker	3

Activity	Chemical Count
Angiogenic	1
Anesthetic	1
Anemiagenic	2
Androgenic	1
Anaphrodisiac	1
Analgesic	5
Amebicide	1
Alpha-Reductase-Inhibitor	1
Allergenic	6
Allelochemic	1
Aldose-Reductase-Inhibitor	4
Aldehyde-Oxidase-Inhibitor	1
Adjuvant	1
Acidulant	1
ACE-Inhibitor	3
Acarifuge	1
Acaricide	1
Absorbent	1
5-Lipoxygenase-Inhibitor	1
5-Alpha-Reductase-Inhibitor	5
11B-HSD-Inhibitor	1