

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Musa x paradisiaca***

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

Activity	Chemical Count
Aldose-Reductase-Inhibitor	5
Allelochemic	5
Allelopathic	1
Allergenic	10
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Amphiglycemic?	1
Analeptic	1
Analgesic	9
Androgenic	2
Androgenic?	1
Anemiagenic	2
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	3
Anthelmintic	1
Antiacid	1
Antiacne	7
Antiacrodermatitic	1
Antiacrodynic	1

Activity	Chemical Count
AntiADD	1
Antiadenomic	1
Antiadrenalinic	1
Antiaflatoxin	2
AntiAGE	2
Antiaggregant	10
Antiaging	5
Antiakathisic	1
Antialcoholic	5
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergic	7
Antialopepic	6
Antialzheimeran	7
Antialzheimeran?	1
Antiamblyopic	1
Antianaphylactic	2
Antiandrogenic	4
Antianemic	4

Activity	Chemical Count
Antianginal	4
Antiangiogenic	3
Antianorectic	2
Antianorexic	1
Antianxiety	3
Antiaphthic	1
Antiapoplectic	1
Antiarabiflavinotic	1
Antiarrhythmic	3
Antiarteriosclerotic	4
Antiarthritic	14
Antiasthmatic	6
Antiatherogenic	1
Antiatheromic	1
Antiatherosclerotic	12
Antibackache	1
Antibacterial	16
Antiberiberi	1
AntiBPH	1
Antibronchitic	1

Activity	Chemical Count
Anticalculic	1
Anticancer	10
Anticancer (Breast)	3
Anticancer (Cervix)	1
Anticancer (Colon)	1
Anticancer (Esophagus)?	1
Anticancer (Liver)	2
Anticancer (Lung)	2
Anticancer (Skin)	1
Anticanker	3
Anticapillary-Fragility	1
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	2
Anticarpal-Tunnel	1
Anticataract	11
Anticephalagic	4
Anticerebrotic	1
Anticervicaldysplasic	4

Activity	Chemical Count
AntiCFS	3
Anticheilitic	3
Antichilblain	2
Anticholinesterase	1
Antichorea	1
Antichoreic	2
Anticirrhotic	2
Anticirrhotic?	1
Anticlastogen	1
Anticlaudificant?	1
Anticlimacteric	4
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	1
Anticonvulsant	8
Anticorneotic	1
Anticoronary	7
AntiCrohn's	3

Activity	Chemical Count
AntiCTS	1
AntiCVI	1
Anticystitic	1
Antidandruff	3
Antidecubitic	5
Antideliriant	1
Antidementia	8
Antidepressant	11
Antidepressant?	1
Antidermatitic	6
Antidiabetic	16
Antidiabetic?	2
Antidiarrheic	2
Antidiscotic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Iodine)	1
Antidote (Lead)	3

Activity	Chemical Count
Antidote (Manganese)	1
Antidote (Mercury)	1
Antidote (Paracetamol)	1
Antidote (Paraquat)	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
Antieczemic	5
Antiedemic	4
Antielastase	1
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienteritic	1
Antienterotic	1
Antiepileptic	5

Activity	Chemical Count
Antiepileptic	1
Antiemetic	1
Antieschizotypic	1
Antiestrogenic	2
Antifatigue	8
Antifeedant	4
Antifertility	3
Antifibrinolytic	2
Antifibromyalgic	2
Antifibrosarcomatous	1
Antifibrositic	1
Antifibrotic	3
Antiflu	1
Antifuruncular	1
Antigallstone	2
Antigastric	2
Antigastrisecretagogic	1
Antigastritic	4
Antigastrotoxic	1
Antigingivitic	3

Activity	Chemical Count
Antiglaucomic	3
Antiglossitic	2
Antiglycosation	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	1
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	1
Antihalitotic	1
Antihangover	5
Antiheartburn	1
Antihematuric	1
Antihemorrhagic	2
Antihemorrhoidal	1
Antihepatitic	2
Antihepatotic	1
Antihepatotoxic	5
Antiherpetic	9

Activity	Chemical Count
Antiherpetic?	1
Antihiccup	1
Antihistaminic	6
AntiHIV	4
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	11
Antihypoglycemic	1
Antiichthyotic	1
Antiilus?	1
Antiimplantation	1
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1

Activity	Chemical Count
Antiinfertility	5
Antiinflammatory	17
Antiinsomniac	5
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	2
Antikeratitic	1
Antikeshan	1
Antiketotic	2
Antilactagogue	1
Antileishmanic	2
Antileptic	2
Antilethargic	1
Antileukemic	6
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	3
Antileukotriene-D4	4
Antilipoperoxidant	2
Antilithic	5

Activity	Chemical Count
Antilupus	2
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	7
Antimalarial	2
Antimanic	1
Antimastalgic	2
Antimastitic	1
AntiMD	1
Antimeasles	1
Antimelanomic	4
AntiMeniere's	2
Antimenopausal	5
Antimenorrhagic	4
Antimetastatic	6
Antimigraine	6
Antimitral-valve-prolapse	1
Antimorphinic	1
AntiMS	4

Activity	Chemical Count
Antimutagenic	11
Antimutilation	1
Antimyalgic	1
Antimyelotoxic	1
Antimyocarditic	2
Antimyoclonic	1
Antimycontractant	1
Antinauseant	1
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	2
Antineurogenic	1
Antineuropathic	5
Antineuropathic?	1
Antineurotic	1

Activity	Chemical Count
AntiNF-kB	1
Antinitrosaminic	3
Antinitrosic	1
Antinociceptive	4
Antinyctalopic	2
Antiobesity	6
Antionychyotic	1
Antiophidic	2
Antiophthalmic	2
Antiorchitic	1
Antiosteoarthritic	5
Antiosteoporotic	9
Antiotitic	2
Antiototic	1
Antioxidant	33
Antioxidant Synergist	3
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1

Activity	Chemical Count
Antiparkinsonian	12
Antiparotitic	1
Antipellagic	3
Antiperiodontal	2
Antiperiodontic	1
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	3
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	6
Antiplasmodial	1
Antiplatelet	1
AntiPMS	6
Antipneumonic	1
Antipodriac	2
Antipolio	1

Activity	Chemical Count
Antipoliomyelitic	2
Antipolyneuritic	1
Antiporphyrin	1
Antipredatory	1
Antiprogestational	1
Antiprolactin	2
Antiproliferant	7
Antiprostaglandin	2
Antiprostanoid	1
Antiprostatadenomic	1
Antiprostatic	7
Antiprostatotic	1
Antiprotozoal	1
Antipruritic	1
Antipsoriac	2
Antipsychotic	2
Antipurpuric	1
Antipyretic	3
Antiradicular	11
AntiRaynaud's	3

Activity	Chemical Count
Antireserpine	1
Antiretardation	1
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinopathic?	1
Antiretinotic	2
Antirheumatic	9
Antirheumatitic?	1
Antirhinitic	2
Antisalmonella	1
Antiscoliotic	2
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	4
Antisenility	1
Antiseptic	11
Antiserotonin	1
Antishingles	1
Antishock	1
Antisickling	4

Activity	Chemical Count
Antisilicotic	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	9
Antispasmophilic	1
AntiSpina-Bifida	1
Antistaphylococcic	3
Antisterility	1
Antistomatitic	1
Antistreptococcic	1
Antistress	5
Antistroke	4
Antisunburn	2
Antisyncopic	1
Antisyndrome-X	7
Antithalassemic	1
Antithiamin	1
Antithrombic	1
Antithrombogenic	1
Antithrombotic	1

Activity	Chemical Count
Antithromboxane-B2	1
Antithyreotropic	1
Antithyroid	1
Antitic	1
Antitinnitic	2
Antitourette	1
Antitoxemic	1
Antitriglyceride	2
Antitrypanosomic	2
Antitubercular	2
Antitumor	15
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	6
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Colorectal)	1
Antitumor (Esophagus)?	1
Antitumor (Gastric)	1

Activity	Chemical Count
Antitumor (Lung)	5
Antitumor (Ovary)	1
Antitumor (Prostate)	5
Antitumor (Skin)	1
Antitumor (Stomach)	3
Antitumor-Promoter	6
Antitussive	1
Antiulcer	13
Antiulcerogenic	2
Antiuremic	1
Antiuricosuric	1
Antivaginitic	2
Antivaricose	2
Antivertigo	1
Antiviral	11
Antiviral?	1
Antivitaligic	1
Antixerophthalmic	1
Anxiolytic	7
AP-1-Inhibitor	1

Activity	Chemical Count
Aphrodisiac	1
Apoptotic	8
Aromatase-Inhibitor	1
Artemicide	2
Ascaricide	1
Asthma-preventive	1
Astringent	2
Atherogenic	1
ATPase-Inhibitor	1
Bacteristat	2
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchoconstrictor	2
Bronchostimulant	1
Bruchifuge	2
Bruchiphobe	2
Calcium-Antagonist	3
Calcium-Channel-Blocker	1

Activity	Chemical Count
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	33
Candidicide	6
Capillariprotective	3
Carcinogenic	5
Cardiomyopathogenic	1
Cardioprotective	11
Cardiotonic	1
Cardiotoxic	1
Cardiovascular	3
Caspase-8-Inducer	1
Catabolic	2
Cerebrophilic	1
Cerebroprotective	1
Chelator	1
Chemopreventive	3
Choleretic	5
Cholesterolytic	3
Circulatory-Stimulant	1

Activity	Chemical Count
Circulotonic	3
CNS-Depressant	1
CNS-Inhibitor	1
CNS-Paralytic	1
Coagulant	1
Cold-preventive	1
Coleoptophile	1
Collagenic	2
Collyrium	1
Colorant	4
Comedogenic	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Corrosive	1
Cosmetic	2
Counterirritant	1
COX-1-Inhibitor	2

Activity	Chemical Count
COX-2-Inhibitor	4
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	2
Deiodinase-Inhibitor	1
Demulcent	2
Deodorant	2
Depressant	1
Dermatitigenic	2
Detoxicant	1
Detoxicant (Alcohol)	1
Diagnostic	1
Diaphoretic?	2
Differentiator	1
Disinfectant	1
Diuretic	11
Dopamine-Blocker	1
Dye	3
Emetic	1

Activity	Chemical Count
Emollient	1
Encephalopathic	1
Energizer	1
Ergogenic	1
Erythrocytogenic	1
Essential	8
Estrogenic	5
Estrogenic?	1
Euphoriant	1
Expectorant	1
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
Flatugenic	1
FLavor	11
Fungicide	10
Fungistat	1
Fungitoxic	1
Gastroprotective	1

Activity	Chemical Count
Gastrostimulant	1
Glucosyl-Transferase-Inhibitor	1
Glutathionigenic	1
Gonadotrophic	1
Hematopoietic	1
Hemolytic	1
Hemopoietic	1
Hemostat	5
Hemostatic	1
Hepatomagenic	2
Hepatoprotective	8
Hepatotonic	2
Hepatotoxic	1
Herbicide	1
Herbistat	1
Histaminic	1
HIV-RT-Inhibitor	2
Hypercholesterolemic	4
Hyperglycemic	2
Hypertensive	4

Activity	Chemical Count
Hypnotic	1
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	20
Hypoglycemic	11
Hypolipidemic	2
Hypotensive	14
Hypouricemic	1
ICAM-1-Inhibitor	1
Ileorelaxant	1
Immunomodulator	10
Immunostimulant	7
Immunosuppressant	2
iNOS-Inhibitor	2
Inotropic	3
Insecticide	3
Insectifuge	4
Insectiphile	1
Insulin-Sparing	2
Insulinase-Inhibitor	2

Activity	Chemical Count
Insulinogenic	4
Insulinotonic	2
Interferon-Synergist	1
Interferonogenic	1
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	12
JNK-Inhibitor	1
Juvabional	2
Keratitigenic	1
Keratolytic	1
Larvostat	4
Laxative	7
Laxative?	2
Leptingenic	1
Lipotropic	2
Lipoxygenase-Inhibitor	4
Lithogenic	2
Litholytic	2
Lubricant	4
Lymphocytogenic	1

Activity	Chemical Count
MAO-A-Inhibitor	1
MAO-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator (Copper)	3
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Mucogenic	2
Mucolytic	2
Mutagenic	4
Mycobactericide	2
Myocontractant	1
Myoprotective	1
Myorelaxant	3
Myostimulant	2
NADH-Oxidase-Inhibitor	1
Natriuretic	2

Activity	Chemical Count
Nematicide	3
Nematostat	1
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	2
Neuroexcitant	1
Neuroinhibitor	2
Neuroprotective	3
Neurotoxic	2
Neurotransmitter	4
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	4
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	3
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	1
Ovulant	1

Activity	Chemical Count
Oxidant	3
Oxytotic	1
P21-Inducer	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	2
Parasiticide	1
Percutaneostimulant	2
Perfumery	6
Peristaltic	1
Pesticide	38
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Phytoalexin	1
Pigment	6
Pituitary-Stimulant	1
Plasmodicide	1
Polyamine-Synthesis-Inhibitor	1

Activity	Chemical Count
Poultice	1
Preservative	2
Previtamin-A	1
Priapistic	1
Prolactinogenic	1
Proliferant	1
Prooxidant	7
Propepic	5
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	2
Protein-Kinase-C-Inhibitor	3
Protisticide	3
PTK-Inhibitor	1
Quinone-Reductase-Inducer	3
Radioprotective	2
Refrigerant	1
Renotoxic	1
Retinoprotectant Optometry	1
Roborant	1
Scabicide	1

Activity	Chemical Count
Schizophrenigenic	1
Secretagogue	2
Sedative	5
Sequestrant	2
Serotonergic	2
Sialogogue	1
Soap	2
Spasmogenic	2
Spermicide	2
Spermigenic	2
Succinic-Dehydrogenase-Inhibitor	1
Sunscreen	1
Suppository	1
Sweetener	5
Sympathomimetic	1
Tachycardic	1
Teratogenic	2
Teratologic	2
Testosteronigenic	1
Thymoprotective	1

Activity	Chemical Count
TNF-alpha-Inhibitor	2
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Toxic	2
Tranquilizer	3
Tremorigenic	1
Trichomonicide	1
Triglycerigenic	1
Tumor-Promoter	1
Tumorigenic	1
Tyrosinase-Inhibitor	2
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	6
Ulcerogenic	5
Uricogenic	1
Uricosuric	4
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uterorelaxant	1

Activity	Chemical Count
Uterotrophic	1
Varroacide	1
Vasoactive	1
Vasoconstrictor	3
Vasodilator	14
Vasopressor	1
VEGF-Inhibitor	2
Verrucolytic	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	2