

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in Morus alba**

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-HETE-Inhibitor	1
5-HT-Inhibitor	2
5-Lipoxygenase-Inhibitor	3
Abortifacient	1
Acaricide	2
Acarifuge	1
ACE-Inhibitor	6
Acetylcholinergic	1
Acidifier	1
Acidulant	2
Additive	2
Akt-Inhibitor	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	14
Allelochemic	9
Allelopathic	1

Activity	Chemical Count
Allergenic	11
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Anabolic	1
Analeptic	1
Analgesic	15
Anaphrodisiac	1
Androgenic	1
Androgenic?	1
Anemiagenic	1
Anesthetic	5
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Anthelmintic	2
Antiacne	5
Antiacrodermatitic	1
Antiacrodynamic	1
Antiadenomic	1
Antiadenoviral	1

Activity	Chemical Count
Antiadrenergic	1
Antiaflatoxin	3
AntiAGE	1
Antiaggregant	8
Antiaging	4
Antiakathisic	1
Antialcoholic	5
Antialkali?	1
Antiallergic	6
Antialopepic	4
Antialzheimeran	6
Antiamblyopic	1
Antianaphylactic	2
Antiandrogenic	3
Antianemic	5
Antianginal	2
Antiangiogenic	4
Antianorectic	2
Antianorexic	1
Antianxiety	2

Activity	Chemical Count
Antiaphthic	1
Antiapoplectic	1
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	5
Antiarteriosclerotic	1
Antiarthritic	10
Antiasthmatic	5
Antiatherogenic	2
Antiatheromic	1
Antiatherosclerotic	8
Antibackache	1
Antibacterial	26
Antiberiberi	1
AntiBPH	1
Antibronchoconstrictor	1
Anticalculic	1
Anticancer	9
Anticancer (Breast)	1
Anticancer (Cervix)	2

Activity	Chemical Count
Anticancer (Colon)	1
Anticancer (Forestomach)	1
Anticancer (Liver)	2
Anticancer (Lung)	1
Anticancer (Skin)	1
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	2
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	2
Anticarpal-Tunnel	1
Anticataract	8
Anticephalagic	3
Anticerebrotic	1
Anticervicaldysplasic	4
AntiCFS	2
Anticheilitic	3
Antichilblain	1

Activity	Chemical Count
Anticholinergic	2
Antichoreic	2
Anticirrhotic	1
Anticlastogen	1
Anticlimacteric	3
Anticoagulant	1
Anticoeliac	1
Anticold	2
Anticolitic	4
Anticomplementary	1
Anticonvulsant	5
Anticoronary	4
AntiCrohn's	3
AntiCTS	1
AntiCVI	1
Anticystinuric	1
Anticystitic	1
Anticytotoxic	1
Antidandruff	2
Antidecubitic	3

Activity	Chemical Count
Antideliriant	1
Antidementia	6
Antidepressant	7
Antidermatitic	6
Antidermatotic	1
Antidiabetic	13
Antidiarrheic	2
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Heavy Metals)	1
Antidote (Lead)	2
Antidote (Paraquat)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	2
Antidysmenorrheic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2

Activity	Chemical Count
Antieczemic	7
Antiedemic	14
Antieicosanoid	1
Antielastase	3
Antiencephalitic	2
Antiencephalopathic	3
Antiendometriotic	2
Antienteritic	1
Antienterotic	1
Antiepileptic	5
Antierythemic	1
Antiescherichic	2
Antiesophagitic	1
Antiestrogenic	3
Antifatigue	5
Antifeedant	12
Antifertility	2
Antifibrinolytic	1
Antifibromyalgic	2
Antifibrosarcomic	1

Activity	Chemical Count
Antifibrotic	2
Antiflu	4
Antifuruncular	1
Antigallstone	2
Antigastric	1
Antigastritic	3
Antigastrotic	1
Antigenotoxic	2
Antigingivitic	3
Antiglaucomic	3
Antiglossitic	2
Antigonadotrophic	1
Antigonadotropic	3
Antigranular	1
Antigranulocytopenic	1
Antigrey	1
AntiGTF	1
Antihangover	5
Antiheartburn	1
Antihematuric	1

Activity	Chemical Count
Antihemolytic	2
Antihemorrhagic	2
Antihemorrhoidal	2
Antihepatitic	2
Antihepatoadenomic	1
Antihepatotoxic	9
Antiherpetic	10
Antiherpetic?	1
Antihistaminic	9
AntiHIV	6
Antihomocysteine	1
Antihydrocoele	1
Antihydrophobic	1
Antihyperactivity	1
Antihyperammonemic	1
Antihypercholesterolemic	2
Antihyperglycemic	2
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1

Activity	Chemical Count
Antihypertensive	9
Antihyperthyroid	2
Antihypoglycemic	1
Antihysteria	1
Antiichthyotic	1
Antiimplantation	1
Antiimpotence	1
Antiincontinence	1
Antiinfective	1
Antiinfertility	2
Antiinflammatory	22
Antiinsomniac	5
Antiinsomnic	1
Antikeratitic	1
Antikeratotic	1
Antiketotic	2
AntiLegionella	2
Antileishmanic	2
Antileptic	2
Antilethargic	1

Activity	Chemical Count
Antileukemic	9
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	4
Antileukotriene-B4	1
Antileukotriene-D4	2
Antileukotrienogenic	1
Antilipolytic	1
Antilipoperoxidant	3
Antilithic	5
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	3
Antimalarial	4
Antimanic	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1

Activity	Chemical Count
Antimelanogenic	2
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	3
Antimenorrhagic	2
Antimetastatic	4
Antimigraine	5
Antimitotic	2
Antimitral-valve-prolapse	1
AntiMS	3
Antimutagenic	20
Antimyelotoxic	1
Antimyocarditic	2
Antinauseant	1
Antinephritic	2
Antinephrolytic	1
Antineuralgic	4
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1

Activity	Chemical Count
Antineuropathic	3
Antineurotic	1
Antinitrosaminic	3
Antinitrosating	1
Antinitrosic	1
Antinociceptive	8
Antinyctalopic	1
Antiobesity	5
Antionychogryphotic	1
Antiophidic	3
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	7
Antiotitic	2
Antiototic	1
Antioxalate	1
Antioxidant	28
Antioxidant Synergist	3
Antiozenic	1
Antipancreatic	1

Activity	Chemical Count
Antipapillomic	1
Antiparkinsonian	2
Antiparotitic	1
Antipellagic	2
Antipeptic	1
Antiperiodontal	1
Antiperiodontic	1
Antiperiodontitic	4
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	6
Antipharyngitic	1
Antiphotophobic	2
Antipityriasic	1
Antiplatelet	5
Antiplasmodial	2
Antiplatelet	1
AntiPMS	5
Antipneumonic	1
Antipodriac	2

Activity	Chemical Count
Antipolio	2
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	6
Antiprostaglandin	7
Antiprostanoid	1
Antiprostatactenic	1
Antiprostatic	6
Antiprotozoal	1
Antipruritic	1
Antipsoriac	3
Antipsoriatic	1
Antipsychotic	1
Antipurpuric	2
Antipyretic	4
Antipyruvetic	1
Antiradicular	12
AntiRaynaud's	3

Activity	Chemical Count
Antirenitic	1
Antiretardation	1
Antiretinopathic	1
Antiretinotic	1
Antiretroviral	1
Antirheumatalgic	1
Antirheumatic	5
Antirhinitic	1
Antisalmonella	2
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	5
Antiseptic	22
Antiserotonin	1
Antishingles	1
Antisinusitic	1
Antispare-Tire	1
Antispasmodic	16
Antispasmophilic	1
Antispastic	1

Activity	Chemical Count
AntiSpina-Bifida	1
Antistaphylococcic	5
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	1
Antistress	5
Antistroke	2
Antisunburn	3
Antisyndrome-X	4
Antitartar	1
Antithiamin	3
Antithrombic	2
Antithrombogenic	2
Antithromboxane	1
Antithyroid	4
Antitic	1
Antitinnitic	2
AntiTNF	1
Antitriglyceride	1
Antitrypanosomic	2

Activity	Chemical Count
Antitubercular	2
Antituberculinic	1
Antitumor	20
Antitumor (Bladder)	1
Antitumor (Breast)	3
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	4
Antitumor (Fore stomach)	1
Antitumor (Gastric)	1
Antitumor (Liver)	2
Antitumor (Lung)	4
Antitumor (Mammary)	1
Antitumor (Ovary)	1
Antitumor (Prostate)	3
Antitumor (Skin)	4
Antitumor (Stomach)	1
Antitumor-Promoter	8
Antitussive	1
Antiulcer	14

Activity	Chemical Count
Antiulcerogenic	1
Antiurethrotic	1
Antivaccinia	1
Antivaginitic	1
Antivaricose	2
Antivertigo	1
Antiviral	16
Antiviral?	1
Antiwrinkle	1
Antixerophthalmic	1
Anxiolytic	7
Apifuge	1
Apoptotic	8
Aromatase-Inhibitor	2
Artemicide	3
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	2

Activity	Chemical Count
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Bronchorelaxant	2
Bruchifuge	1
Bruchiphobe	2
Calcium-Antagonist	4
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	3
Cancer-Preventive	29
Candidicide	5
Capillarigenic	1
Capillariprotective	2
Carcinogenic	6
Carcinogenic?	1
Cardiodepressant	2
Cardioprotective	8
Cardiotonic	2

Activity	Chemical Count
Cardiotoxic	1
Cardiovascular	1
Carminative	2
Casein-Kinase-II-Inhibitor	1
Caspase-8-Inducer	1
Catabolic	2
Cerebrotonic	1
Chelator	1
Chemopreventive	6
Cholagogue	3
Choleretic	8
Cholinergic	1
Circulotonic	1
Clastogenic	2
CNS-Active	2
CNS-Depressant	8
CNS-Inhibitor	1
CNS-Paralytic	1
CNS-Stimulant	3
Co-carcinogenic	1

Activity	Chemical Count
Coagulant	1
Cold-preventive	1
Collagen-Sparing	2
Collagenic	2
Colorant	1
Comedogenic	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	1
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	2
Counterirritant	1
COX-1-Inhibitor	3
COX-2-Inhibitor	6
Cyclooxygenase-Activator	1
Cyclooxygenase-Inhibitor	5
CYP1A1-Inhibitor	1
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	1

Activity	Chemical Count
Cytoprotective	2
Cytotoxic	8
Deiodinase-Inhibitor	1
Demulcent	2
Dentifrice	1
Deodorant	1
Dermal	1
Dermatitigenic	3
Detoxicant	2
Detoxicant (Alcohol)	1
Diaphoretic	1
Diaphoretic?	2
Diels-Alder-Adduct	1
Differentiator	2
Disinfectant	1
Diuretic	12
DNA-Active	1
DNA-Protective	1
Dye	4
Elastase-Inhibitor	1

Activity	Chemical Count
Emetic	3
Enterorelaxant	1
Epidermal-Stimulant	1
Ergogenic	1
Essential	1
Estrogenic	4
Estrogenic?	1
Expectorant	3
Fatal	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	13
FPTase-Inhibitor	1
Fumigant	1
Fungicide	18
Gastroprotective	3
Glucosyl-Transferase-Inhibitor	2
Gonadotrophic	1
Hematopoietic	1

Activity	Chemical Count
Hemolytic	2
Hemopoietic	1
Hemostat	6
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	16
Hepatotonic	1
Hepatotoxic	1
Hepatotropic	1
Herbicide	4
Herbistat	1
Herpetifuge	1
HIF-1alpha-Inhibitor	1
Histamine-Inhibitor	2
HIV-RT-Inhibitor	2
Hydroperoxidase-Inhibitor	1
Hypercholesterolemic	1
Hyperglycemic	1
Hypertensive	1

Activity	Chemical Count
Hyperuricemic	1
Hypocholesterolemic	16
Hypoglycemic	11
Hypolipidemic	2
Hypotensive	20
Hypotriglyceridemic	1
Hypouricemic	1
ICAM-1-Inhibitor	1
IKB-kinase-Inhibitor	1
Ileorelaxant	1
Immunomodulator	6
Immunostimulant	9
Immunosuppressant	2
iNOS-Inhibitor	2
Inotropic	2
Insecticide	3
Insectifuge	12
Insectiphile	4
Insulinogenic	4
Interferon-Synergist	1

Activity	Chemical Count
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	12
JNK-Inhibitor	2
Juvabional	6
Keratitigenic	1
Keratolytic	2
Larvicide	2
Larvostat	3
Laxative	5
Laxative?	2
Leptingenic	1
Leukotriene-Inhibitor	2
Lipolytic	1
Lipotropic	1
Lipoxygenase-Inhibitor	8
Lithogenic	2
Litholytic	2
Lubricant	2
Lyase-Inhibitor	1

Activity	Chemical Count
MAO-A-Inhibitor	2
MAO-Inhibitor	4
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	2
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Mosquitocide	1
Motor-Depressant	2
Mucogenic	2
Mucolytic	2
Musculotropic	1
Mutagenic	4
Mycobactericide	2
Myocardiotoxic	1
Myocontractant	1

Activity	Chemical Count
Myoprotective	1
Myorelaxant	5
NADH-Oxidase-Inhibitor	1
NADH-Ubiquinone-Oxidoreductase-Inhibitor	1
Narcotic	2
Natriuretic	1
Nematicide	4
Neoplastic	1
NEP-Inhibitor	1
Neuroinhibitor	1
Neuroprotective	3
Neurotoxic	3
Neurotransmitter	2
NF-kB-Inhibitor	3
NO-Genic	1
NO-Inhibitor	2
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5
Osmoregulator	1

Activity	Chemical Count
Osteogenic	1
Osteolytic	1
Oviposition-Stimulant	2
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	2
Paralytic	1
Parasiticide	3
Parasympathomimetic	1
Percutaneostimulant	1
Perfume	1
Perfumery	11
Peristaltic	1
Pesticide	49
PGE2-Inhibitor	1
Phagocytotic	1
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Photoactive	1
Phytoalexin	4

Activity	Chemical Count
Phytohormonal	1
Pigment	1
Piscicide	1
PKC-Inhibitor	1
PKD-Inhibitor	1
Plasmodicide	1
Proliferant	1
Prooxidant	4
Propepic	4
Prostaglandigenic	1
Prostaglandin-Synthesis-Inhibitor	4
Protein-Kinase-C-Inhibitor	1
Proteinogenic	2
Protisticide	3
Psychotropic	1
PTK-Inhibitor	2
Pyrogenic	1
Quinone-Reductase-Inducer	3
Radioprotective	1
Refrigerant	1

Activity	Chemical Count
Renotoxic	1
Rodenticide	4
Rubefacient	1
Scabicide	1
Schizophrenigenic	1
Sedative	6
Sequestrant	1
Serotoninerpic	1
Sialogogue	1
Soap	1
Spermicide	2
Spermigenic	1
Sunscreen	4
Suppository	1
Sweetener	2
Teratologic	2
Termiticide	2
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	3

Activity	Chemical Count
TOPO-2-Inhibitor	1
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	6
Tranquilizer	4
Transdermal	2
Trichomonicide	2
Trichomonistat	1
Trypsin-Enhancer	1
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	2
Ulcerogenic	3
Uricosuric	2
Urinary-Acidulant	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	1
Varroacide	2
Vasodilator	12

Activity	Chemical Count
Vasopressor	2
VEGF-Inhibitor	2
Vermifuge	1
Verrucolytic	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	5