

Dr. Duke's Phytochemical and Ethnobotanical Database**Biological Activities Found in *Curcuma longa***

Activity	Chemical Count
(-)-Chronotropic	3
(-)-Inotropic	3
11B-HSD-Inhibitor	1
12-Lipoxygenase-Inhibitor	1
5-Alpha-Reductase-Inhibitor	1
5-HETE-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
8-HETE-Inhibitor	1
Abortifacient	1
Absorbent	1
Acaricide	7
ACE-Inhibitor	4
Acetylcholinergic	1
AChE-Inhibitor	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	10
Allelochemic	5

Activity	Chemical Count
Allelopathic	9
Allergenic	14
Alpha-Glucosidase-Inhibitor	1
Amphiglycemic?	1
Analgesic	15
Androgenic	2
Androgenic?	1
Anesthetic	8
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorexic	2
Anthelmintic	3
Antiacetylcholine	1
Antiacetylcholinesterase	7
Antiacne	8
Antiacrodermatitic	1
Antiacrodynamic	1
Antiadenomacarcinogenic	1
Antiadenomic	2
Antiadenoviral	1

Activity	Chemical Count
Antiadrenalinic	1
Antiaflatoxin	5
AntiAGE	2
Antiaggregant	8
Antiaging	5
Antiakathisic	1
Antialcoholic	5
Antiallergenic	1
Antiallergic	8
Antialopepic	1
Antialzheimeran	26
Antialzheimeran?	1
Antiamblyopic	1
Antiamyloid-Beta	18
Antianaphylactic	2
Antiandrogenic	1
Antianemic	3
Antianginal	3
Antiangiogenic	6
Antianorectic	2

Activity	Chemical Count
Antianorexic	1
Antianxiety	2
Antiarabiflavinotic	1
Antiarachidonate	2
Antiarrhythmic	4
Antiarteriosclerotic	1
Antiarthritic	12
Antiasthmatic	11
Antiatherogenic	1
Antiatherosclerotic	8
Antibacillary	1
Antibackache	1
Antibacterial	24
Antiberiberi	1
AntiBPH	1
Antibronchitic	4
Anticancer	12
Anticancer (Breast)	2
Anticancer (Cervix)	3
Anticancer (Colon)	1

Activity	Chemical Count
Anticancer (Duodenum)	1
Anticancer (Lung)	1
Anticancer (Mammary)	1
Anticancer (Skin)	1
Anticancer (Stomach)	1
Anticanker	3
Anticarcinogenic	2
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	6
Anticarpal-Tunnel	1
Anticataract	9
Anticatarrh	2
Anticephalagic	2
Anticervicaldysplasic	3
AntiCFS	3
Anticheilitic	2
Antichilblain	1
Anticholecystosic	1

Activity	Chemical Count
Anticholeretic	1
Anticholinesterase	2
Anticirrhotic	1
Anticirrhotic?	1
Anticlastogen	2
Anticlimacteric	4
Anticoeliac	1
Anticold	2
Anticolic	1
Anticolitic	4
Anticollagenic	1
Anticomplementary	1
Anticonvulsant	5
Anticorneotic	1
Anticoronary	4
AntiCrohn's	4
AntiCTS	1
Anticystitic	1
Antidandruff	2
Antidecubitic	3

Activity	Chemical Count
Antideliriant	1
Antidementia	5
Antidepressant	7
Antidermatitic	4
Antidiabetic	11
Antidiarrheic	1
Antidiscotic	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Iodine)	1
Antidote (Lead)	3
Antidote (Mercury)	1
Antidote (Paraquat)	1
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	1
Antidysmenorrheic	1
Antidyspeptic	1
Antidysphagic	1
AntiEBV	1

Activity	Chemical Count
Antieczemic	4
Antiedemic	10
Antieicosanoid	1
Antielastase	2
Antiemetic	1
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	2
Antienterotic	1
Antiepileptic	4
Antiescherichic	3
Antiesophagitic	2
Antiestrogenic	3
Antifatigue	9
Antifeedant	10
Antifertility	2
Antifibromyalgic	1
Antifibrosarcomic	1
Antifibrositic	1
Antifibrotic	3

Activity	Chemical Count
Antiflu	5
Antifuruncular	1
Antigallstone	1
Antigastric	1
Antigastritic	2
Antigastrotic	1
Antigenotoxic	1
Antigingivitic	1
Antiglaucomic	2
Antiglossitic	1
Antiglutamaergic	1
Antiglycosuric	1
Antigonadotrophic	1
Antigonadotropic	2
Antigout	1
AntiGTF	1
Antihalitotic	2
Antihangover	5
Antiheartburn	1
Antihemolytic	1

Activity	Chemical Count
Antihemorrhagic	2
Antihepatitic	1
Antihepatoadenomic	1
Antihepatotic	1
Antihepatotoxic	7
Antiherpetic	7
Antiherpetic?	1
Antihistaminic	6
AntiHIV	5
Antihydrophobic	1
Antihyperactivity	1
Antihypercholesterolemic	1
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	6
Antihyperthyroid	1
Antihypoglycemic	1
Antiichthyotic	1
Antiimpotence	1

Activity	Chemical Count
Antiinfarctal	1
Antiinfective	1
Antiinfertility	3
Antiinflammatory	38
Antiinsomniac	3
Antiinsomnic	1
Antiintegrase	1
Antiischemic	3
Antikeratitic	1
Antikeratotic	1
Antikeshan	1
Antiketotic	2
Antilaryngitic	2
AntiLegionella	2
Antileishmanic	5
Antileptic	2
Antileukemic	10
Antileukonychic	1
Antileukopenic	1
Antileukoplakic	1

Activity	Chemical Count
Antileukotriene	5
Antilipoperoxidant	5
Antilithic	4
Antilithic?	1
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	5
Antimaculitic	5
Antimalarial	1
Antimange	1
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	3
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	1
Antimetastatic	4

Activity	Chemical Count
Antimetastatic (Stomach)	1
Antimigraine	4
Antimite	1
Antimitotic	2
Antimitral-valve-prolapse	1
AntiMS	1
Antimutagenic	15
Antimyalgic	1
Antimyocarditic	2
Antinauseant	1
Antinephrolytic	1
Antinesidioblastosic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	3
Antineurotic	1
AntiNF-kB	1
Antinitrosaminic	6

Activity	Chemical Count
Antinitrosating	3
Antinitrosic	1
AntiNKC	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	6
Antionychyotic	2
Antiophidic	5
Antiorchitic	1
Antiosteoarthritic	3
Antiosteoporotic	9
Antiotitic	1
Antiototic	1
Antioxidant	27
Antiozenic	1
Antipancreatitic	1
Antipapillomic	4
Antiparkinsonian	4
Antiparotitic	1
Antipellagic	2

Activity	Chemical Count
Antiperiodontal	1
Antiperiodontitic	3
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	7
Antipharyngitic	3
Antiphotophobic	2
Antipityriasic	1
Antiplateau	5
Antiplasmodial	1
AntiPMS	5
Antipneumonic	2
Antipodriac	2
Antipolio	1
Antipoliomyelitic	2
Antiporphyrin	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	9
Antiprostaglandin	5

Activity	Chemical Count
Antiprostanoid	1
Antiprostatadenomic	1
Antiprostatitic	3
Antiprostatotic	1
Antipruritic	1
Antipsoriac	2
Antipsoriatic	1
Antipyretic	8
Antiradicular	11
AntiRaynaud's	3
Antiretinopathic	1
Antiretinotic	2
Antirheumatalgic	1
Antirheumatic	8
Antirhinitic	3
Antirhinoviral	3
Antisalmonella	2
Antisarcomic	2
Antiscorbutic	1
Antiscotomic	1

Activity	Chemical Count
Antiseptic	19
Antishingles	1
Antishock	1
Antisickling	1
Antisinusitic	2
Antispare-Tire	1
Antispasmodic	23
Antispasmophilic	1
Antistaphylococcic	8
Antistomatitic	2
Antistreptococcic	2
Antistress	5
Antistroke	3
Antisunburn	1
Antisyndrome-X	6
Antithiamin	2
Antithrombic	1
Antithrombotic	1
Antithromboxane	2
Antithyroid	1

Activity	Chemical Count
Antitic	1
Antitinnitic	1
AntiTNF	3
Antitriglyceride	2
Antitrypanosomic	1
Antituberculic	1
Antitumor	17
Antitumor (Bladder)	2
Antitumor (brain)	1
Antitumor (Breast)	5
Antitumor (Cervix)	3
Antitumor (CNS)	1
Antitumor (Colon)	5
Antitumor (Gastric)	1
Antitumor (Liver)	1
Antitumor (Lung)	5
Antitumor (Mouth)	1
Antitumor (Ovary)	1
Antitumor (Pancreas)	1
Antitumor (Prostate)	4

Activity	Chemical Count
Antitumor (Skin)	3
Antitumor (Stomach)	3
Antitumor-Promoter	8
Antitussive	5
Antiulcer	15
Antiulcerogenic	2
Antiuricosuric	1
Antivaccinia	1
Antivaricose	1
Antivertigo	1
Antiviral	14
Antiviral?	1
AntiX-Radiation	1
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	6
AP-1-Inhibitor	1
Apifuge	1
Apoptotic	7
Artemicide	2

Activity	Chemical Count
Ascaricide	1
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Bacteristat	1
Barbituate-Synergist	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1
Bronchoprotectant	1
Bronchorelaxant	1
Calcium-Antagonist	4
Calcium-Channel-Blocker	2
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	1
Cancer-Preventive	20
Candidicide	9
Candidistat	2
Capillariprotective	1

Activity	Chemical Count
Carcinogenic	5
Carcinogenic?	1
Cardiodepressant	2
Cardiomyopathogenic	1
Cardioprotective	11
Cardiotonic	1
Cardiotoxic	1
Carminative	4
Caspase-8-Inducer	1
Catabolic	1
Chelator	1
Chemopreventive	6
Cholagogue	6
Choleretic	11
Cholesterolytic	1
Cicatrizant	1
Circulotonic	2
Clastogenic	1
CNS-Active	1
CNS-Depressant	3

Activity	Chemical Count
CNS-Stimulant	4
CNS-Toxic	1
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	1
Collagenic	2
Colorant	1
COMT-Inhibitor	1
Contraceptive	1
Convulsant	3
Copper-Antagonist	1
Copper-Chelator	1
Cosmetic	1
Counterirritant	3
COX-1-Inhibitor	2
COX-2-Inhibitor	7
Culicide	2
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-1A2-Inhibitor	1

Activity	Chemical Count
Cytochrome-P450-Inducer	2
Cytochrome-P450-Inhibitor	2
Cytoprotective	1
Cytotoxic	11
Decongestant	3
Degranulant	2
Deiodinase-Inhibitor	1
Deliriant	1
Dentifrice	2
Deodorant	3
Depressant	1
Dermal	2
Dermatitigenic	2
Detoxicant	3
Detoxicant (Alcohol)	1
Diaphoretic?	2
Differentiator	1
Diuretic	6
DNA-Active	1
DNA-Protective	5

Activity	Chemical Count
Dye	1
Ecbolic	1
Edemagenic	2
Emetic	4
Emollient	1
Energizer	1
Enterocontractant	1
Enterorelaxant	1
Epileptigenic	1
Ergogenic	1
Erythrocytogenic	1
Estrogenic	4
Expectorant	11
Febrifuge	1
Fibrinolytic	2
Fistula-Preventive	1
FLavor	18
Fungicide	21
Fungiphilic	1
Fungistat	1

Activity	Chemical Count
GABA-nergic	1
Gastroprotective	4
Glucosyl-Transferase-Inhibitor	1
Glutathione-Depleting	1
Glutathionigenic	1
Gonadotrophic	1
Gram(+)-icide	2
Gram(-)-icide	2
GST-Inducer	1
Hemolytic	1
Hemostat	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	9
Hepatoregenerative	1
Hepatotonic	3
Hepatotoxic	2
Hepatotropic	1
Herbicide	10
Histamine-Inhibitor	1

Activity	Chemical Count
Histaminic	1
HIV-RT-Inhibitor	1
Hyperglycemic	2
Hypertensive	1
Hypnotic	1
Hypocholesterolemic	12
Hypocholesterolemic?	1
Hypoglycemic	8
Hypolipidemic	3
Hypotensive	10
Hypothermic	2
Hypotriglyceridemic	1
Hypouricemic	1
IkappaB-alpha-Phosphorylation-Inhibitor	1
IKB-kinase-Inhibitor	1
IKK-Inhibitor	1
Immunomodulator	8
Immunostimulant	9
Immunosuppressant	2
Inflammatory	2

Activity	Chemical Count
Inhalant	1
iNOS-Inhibitor	3
Inotropic	1
Insect-Repellent	2
Insecticide	8
Insectifuge	21
Insectiphile	2
Insulin-Sparing	1
Insulinogenic	4
Interferon-Synergist	1
Interferonogenic	1
Interleukin-6-Inhibitor	2
Irritant	15
Juvabional	2
Larvicide	4
Larvostat	1
Laxative	8
Leptogenic	1
Leukotriene-Inhibitor	1
Lipase-Inducer	1

Activity	Chemical Count
Lipolytic	1
Lipoxygenase-Inhibitor	4
Lithogenic	1
Litholytic	2
Lyase-Inhibitor	1
Maltase-Promoter	1
MAO-A-Inhibitor	1
Mast-Cell-Stabilizer	1
MDR-Inhibitor	1
Memorigenic	1
Memory-Enhancer	1
Metal-Chelator	2
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	2
Mosquitocide	1
Mosquitofuge	2
Motor-Depressant	3
Motor-Stimulant	1
Mucogenic	3

Activity	Chemical Count
Mucolytic	1
Mutagenic	1
Myorelaxant	5
NADH-Oxidase-Inhibitor	1
Nematicide	13
Neoplastic	1
NEP-Inhibitor	1
Nephrotoxic	1
Neuroprotective	4
Neurotoxic	3
Neurotransmitter	1
NF-kB-Inhibitor	4
NO-Genic	1
NO-Inhibitor	2
NO-Scavenger	3
NO-Synthase-Inhibitor	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	5
Osteogenic	1
Ovulant	1

Activity	Chemical Count
Ozone-Scavenger	1
P450-2B1-Inhibitor	3
P450-Inducer	4
P450-Inhibitor	2
Pediculicide	2
Perfume	2
Perfumery	14
Peristaltic	1
Pesticide	40
PGE2-Inhibitor	2
Phagocytotic	4
Phospholipase-Inhibitor	1
Photosensitizer	1
Phototoxic	1
Plasmodicide	4
Polyamine-Synthesis-Inhibitor	1
Poultice	1
Proliferant	1
Prooxidant	4
Prostaglandigenic	3

Activity	Chemical Count
Prostaglandin-Sparer	1
Prostaglandin-Synthesis-Inhibitor	5
Protease-Inhibitor	1
Protein-Kinase-C-Inhibitor	3
Protein-Kinase-Inhibitor	1
PTK-Inhibitor	2
Pulmonoprotective	1
Quinone-Reductase-Inducer	4
Radioprotective	1
RES-Activator	2
Respirainhibitor	1
Respirastimulant	1
Rubefacient	3
Schizophrenigenic	1
Secretagogue	3
Sedative	14
Serotonergic	1
Sortase-A-Inhibitor	3
Spasmogenic	6
Spermicide	1

Activity	Chemical Count
Spermigenic	1
Stimulant	1
Stomachic	2
Sucrase-Promoter	1
Sunscreen	1
Surfactant	2
Sweetener	1
Teratologic	1
Termiticide	2
Termitifuge	2
Testosterone-Hydroxylase-Inducer	2
Testosteronigenic	1
Thymoprotective	1
TNF-alpha-Inhibitor	1
TNF-Inhibitor	1
Topoisomerase-I-Inhibitor	4
Topoisomerase-II-Inhibitor	4
Tranquilizer	4
Transdermal	8
Trichomonicide	6

Activity	Chemical Count
Trichomonistat	1
Trypsin-Enhancer	1
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	4
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	5
Ulcerogenic	3
Ulcerogenic?	1
Uricosuric	2
Urinary-Acidulant	1
Uterorelaxant	1
Varroacide	1
Vasodilator	8
VEGF-Inhibitor	3
Vermifuge	2
Verrucolytic	1
Vibriocide	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	2