

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in Hypericum perforatum**

Activity	Chemical Count
(-)-Chronotropic	2
(-)-Inotropic	2
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	2
5-HT-Inhibitor	1
5-Lipoxygenase-Inhibitor	3
Abortifacient	1
Acaricide	4
ACE-Inhibitor	12
AChE-Inhibitor	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	2
Aldose-Reductase-Inhibitor	23
Allelochemic	13
Allelopathic	6
Allergenic	15
Anabolic	1
Analeptic	1
Analgesic	17
Androgenic	1
Androgenic?	1
Anesthetic	4
Angiogenic	1
Angiotensin-Receptor-Blocker	1
Anorexic	1
Anthelmintic	3
Antiacetylcholine	1

Activity	Chemical Count
Antiacetylcholinesterase	7
Antiacne	6
AntiAddisonian	1
Antiadenomic	2
Antiadenoviral	1
Antiadenovirus	1
Antiadrenergic	1
Antiaflatoxin	4
AntiAGE	1
Antiaggregant	9
Antiaging	5
Antialcoholic	1
Antialkalotic	1
Antiallergenic	2
Antiallergic	10
Antialopepic	2
Antialzheimeran	3
Antialzheimeran?	1
Antianaphylactic	7
Antiandrogenic	2
Antianemic	1
Antiangiogenic	3
Antianoxic	1
Antiapoplectic	1
Antiarrhythmic	3
Antiarthritic	3
Antiasthmatic	9

Activity	Chemical Count
Antiatherogenic	4
Antiatheromic	1
Antiatherosclerotic	6
Antibacillary	1
Antibacterial	51
Antibiotic	4
Antibradykinic	1
Antibronchitic	2
Antibronchoconstrictor	1
Anticancer	11
Anticancer (Breast)	2
Anticancer (Cervix)	2
Anticancer (Colon)	3
Anticancer (Forestomach)	2
Anticancer (Liver)	3
Anticancer (Lung)	1
Anticancer (Pancreas)	1
Anticancer (Skin)	2
Anticapillary-Fragility	2
Anticarcinogenic	4
Anticarcinomic	3
Anticarcinomic (Breast)	1
Anticariogenic	6
Anticataract	6
Anticephalagic	1
Anticerebrotic	1
Anticervicaldysplastic	2

Activity	Chemical Count
AntiCFS	1
Antichilblain	1
Anticholesteremic	1
Anticholinergic	1
Antichoreic	2
Anticirrhotic	1
Anticlastogen	3
Anticlimacteric	1
Anticoagulant	1
Anticold	1
Anticolic	1
Anticolitic	1
Anticomplementary	4
Anticonvulsant	4
Anticoronary	1
AntiCrohn's	3
AntiCTS	1
AntiCVI	2
Anticystinuric	1
Anticystitic	1
Anticytomegalic	1
Anticytotoxic	1
Antidecubitic	2
Antidementia	3
Antidepressant	6
Antidermatic	1
Antidermatitic	6

Activity	Chemical Count
Antidiabetic	10
Antidiarrheic	1
Antidote (Aluminum)	1
Antidote (Ammonia)	1
Antidote (Cadmium)	1
Antidote (Lead)	1
Antidote (Paraquat)	1
Antidote (pesticides)	1
Antidyskinetic	1
Antidysmenorrheic	1
AntiEBV	5
Antieczemic	1
Antiedemic	16
Antielastase	4
Antiencephalitic	2
Antiencephalopathic	2
Antiendometriotic	1
Antienteritic	1
Antierythemic	3
Antiescherichic	4
Antiesophagitic	1
Antiestrogenic	4
Antiexudative	2
Antifatigue	2
Antifeedant	19
Antifertility	3
Antifibrinolytic	2

Activity	Chemical Count
Antifibrosarcomic	1
Antifibrotic	2
Antiflu	10
Antigallstone	2
Antigastric	2
Antigastritic	4
Antigenotoxic	1
Antigingivitic	3
Antiglaucomic	3
Antigliomic	1
Antiglutamaergic	1
Antigonadotrophic	2
Antigonadotropic	3
AntiGTF	1
Antihalitotic	1
Antihangover	1
Antihelicobacter	1
Antihematuric	1
Antihemolytic	2
Antihemorrhagic	2
Antihemorrhoidal	2
Antihepatitic	3
Antihepatoadenomic	1
Antihepatotic	1
Antihepatotoxic	12
Antiherpetic	14
Antihistaminic	13

Activity	Chemical Count
AntiHIV	13
Antihomocysteine	1
Antihydrocoele	1
Antihydrophobic	1
Antihypercholesterolemic	2
Antihyperglycemic	2
Antihyperkeratotic	1
Antihyperlipoproteinaemic	1
Antihypertensive	4
Antihyperthyroid	2
Antiichthyotic	1
Antiimplantation	1
Antiincontinence	1
Antiinfertility	1
Antiinflammatory	37
Antiinsomniac	1
Antiischemic	3
AntiLegionella	2
Antileishmanic	3
Antileptic	1
Antilethargic	1
Antileukemic	14
Antileukoplakic	1
Antileukotriene	4
Antileukotrienogenic	1
Antilipoperoxidant	4
Antilithic	3

Activity	Chemical Count
Antilithic?	1
Antilupus	2
AntiLyme	1
Antilymphocytic	1
Antilymphomic	4
Antimaculitic	3
Antimalarial	5
Antimange	1
Antimanic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	4
Antimenopausal	1
Antimenorrhagic	1
Antimetastatic	3
Antimetastatic (Stomach)	1
Antimigraine	1
Antimite	1
Antimitotic	2
AntiMRSA	1
AntiMS	1
Antimutagenic	29
Antimyocarditic	1
Antineoplastic	1
Antinephritic	2
Antineuramidase	1



Activity	Chemical Count
Antinitrosaminic	8
Antinitrosic	1
Antinociceptive	9
Antinyctalopic	1
Antiobesity	4
Antionychogryphotic	1
Antionychyotic	1
Antiophidic	2
Antiophthalmic	1
Antiorchitic	1
Antiosteoarthritic	1
Antiosteoporotic	1
Antiotitic	3
Antioxidant	43
Antioxidant?	1
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparkinsonian	1
Antiparotitic	1
Antipeptic	1
Antiperiodontal	2
Antiperiodontic	2
Antiperiodontitic	2
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	11

Activity	Chemical Count
Antipharyngitic	1
Antiphotophobic	1
Antipityriasic	1
Antiplateque	4
Antiplasmodial	4
Antiplatelet	1
AntiPMS	2
Antipneumonic	2
Antipodriac	2
Antipolio	4
Antipoliomyelitic	1
Antiporphyric	1
Antiprogestational	1
Antiproliferant	11
Antiproliferative	1
Antiprostaglandin	5
Antiprostanoid	1
Antiprostataadenomic	1
Antiprostatic	3
Antiprostatotic	1
Antiproteolytic	1
Antiprotozoal	1
Antipsoriac	3
Antipurpuric	2
Antipyretic	3
Antipyruvetic	1
Antiradicular	19

Activity	Chemical Count
AntiRaynaud's	1
Antiretinitic Optometry	1
Antiretinopathic	1
Antiretinotic	1
Antiretroviral	2
AntiReye's	1
Antirheumatalgic	1
Antirheumatic	3
Antirhinitic	2
Antirhinoviral	1
Antisalmonella	3
Antischizophrenic	1
Antiscorbutic	1
Antiseptic	24
Antiserotonin	2
Antishingles	1
Antishock	1
Antisickling	3
Antisinusitic	2
Antispasmodic	28
Antispastic	1
Antistaphylococcic	9
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	3
Antistress	3
Antistroke	1

Activity	Chemical Count
Antisunburn	3
Antisyndrome-X	1
Antithiamin	2
Antithrombic	2
Antithrombogenic	2
Antithyroid	3
Antithyrototoxic	1
Antitinnitic	1
Antitrypanosomic	2
Antitubercular	1
Antitumor	20
Antitumor (Bladder)	1
Antitumor (brain)	1
Antitumor (Breast)	5
Antitumor (Cervix)	2
Antitumor (CNS)	1
Antitumor (Colon)	9
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	5
Antitumor (Ovary)	2
Antitumor (Pancreas)	3
Antitumor (Prostate)	3
Antitumor (Skin)	6
Antitumor (Stomach)	3

Activity	Chemical Count
Antitumor (Thyroid)	1
Antitumor-Promoter	10
Antitumor-Promoter?	1
Antitussive	5
Antiulcer	21
Antiulcerogenic	1
Antivaccinia	1
Antivaricose	1
Antiviral	36
Antiwrinkle	2
Antixerophthalmic	1
Antiyeast	2
Anxiolytic	3
Aphidifuge	1
Apoptotic	12
Aromatase-Inhibitor	2
Artemicide	1
Arteriodilator	1
Ascaricide	2
Asthma-preventive	1
Astringent	1
ATPase-Inhibitor	1
Attifuge	1
Autotoxic	1
Bacteriostatic	1
Bacteristat	3
Barbituate-Synergist	1

Activity	Chemical Count
Beta-Adrenergic Receptor Blocker	4
Beta-Glucuronidase-Inhibitor	4
Bradycardiac	1
Bronchodilator	1
Bronchoprotectant	1
Bronchorelaxant	2
Calcium-Antagonist	5
Calmodulin-Antagonist	1
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	5
Cancer-Preventive	35
Candidicide	11
Candidistat	2
Capillarifortificant	2
Capillarigenic	3
Capillariprotective	5
Capillaritonic	2
Carcinogenic	5
Cardiac	1
Cardiodepressant	1
Cardioprotective	3
Cardiotonic	6
Cardiovascular	2
Carminative	1
Caspase-8-Inducer	1
Catabolic	3
Cerebrotonic	1

Activity	Chemical Count
Chemopreventive	10
Cholagogue	4
Choleretic	15
Cholesterolytic	1
Choline-Sparing	2
Cholinergic	1
Cicatrizant	1
Clastogenic	2
CNS-Active	3
CNS-Depressant	4
CNS-Inhibitor	2
CNS-Stimulant	5
CNS-Toxic	1
Co-carcinogenic	1
Cold-preventive	1
Coleoptophile	1
Collagen-Sparing	2
Collagenase-Inhibitor	2
Collagenic	2
Colorant	4
COMP-Inhibitor	2
COMT-Inhibitor	1
Convulsant	1
Copper-Chelator	2
Cosmetic	2
COX-1-Inhibitor	2
COX-2-Inhibitor	5

Activity	Chemical Count
Culicide	1
Cyclooxygenase-Activator	2
Cyclooxygenase-Inhibitor	4
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inducer	1
Cytoprotective	2
Cytotoxic	11
Decalcifier	1
Deiodinase-Inhibitor	2
Demulcent	1
Deodorant	3
Dermal	1
Dermatitigenic	2
Detoxicant	4
Diaphoretic	1
Diaphoretic?	3
Differentiator	2
Diuretic	15
DNA-Active	1
DNA-Protective	1
Dye	3
Ecboic	1
Elastase-Inhibitor	2
Embryotoxic	1
Emetic	4
Enterocontractant	2
Essential	3



Activity	Chemical Count
Estrogenic	6
Estrogenic?	1
Expectorant	7
Febrifuge	1
Fistula-Preventive	1
Flatugenic	1
FLavor	26
Floral-Inhibitor	1
Fungicide	26
Fungiphilic	1
Fungistat	3
GABA-nergic	1
Gastroprotective	3
Glucosyl-Transferase-Inhibitor	1
Glutathionergic	1
Glutathionigenic	1
Goitrogenic	1
Gonadotrophic	1
Gram(+)icide	2
Gram(-)icide	2
GST-Inducer	1
Hemolytic	2
Hemostat	6
Hepatocarcinogenic	1
Hepatomagenic	2
Hepatoprotective	18
Hepatotonic	1

Activity	Chemical Count
Hepatotropic	3
Herbicide	12
Histamine-Inhibitor	2
Histaminic	1
HIV-RT-Inhibitor	2
Hormonal	1
Hyaluronidase-Inhibitor	4
Hydrocholerectic	1
Hypercholesterolemic	2
Hypertensive	1
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	2
Hypocholesterolemic	10
Hypocholesterolemic?	1
Hypoglycemic	12
Hypolipidemic	2
Hypotensive	10
Hypothermic	3
ICAM-1-Inhibitor	2
IKK-Inhibitor	1
Ileorelaxant	1
Immunomodulator	5
Immunostimulant	9
Immunosuppressant	3
Inhalant	1
iNOS-Inhibitor	3

Activity	Chemical Count
Inotropic	2
Insect-Repellent	1
Insecticide	7
Insectifuge	18
Insectiphile	7
Insulin-Sparing	2
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Interleukin-1-alpha-Inhibitor	1
Interleukin-6-Inhibitor	2
Interleukin-6-mRNA-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	2
Irritant	12
JNK-Inhibitor	1
Juvabional	3
Larvicide	5
Larvostat	4
Laxative	5
Leukotriene-Inhibitor	2
Lipolytic	3
Lipotropic	1
Lipoxygenase-1-Inhibitor	1
Lipoxygenase-Inhibitor	12
Lithogenic	2

Activity	Chemical Count
Lubricant	3
Lyase-Inhibitor	1
MAO-A-Inhibitor	2
MAO-Inhibitor	6
MAPK-Inhibitor	1
Mast-Cell-Stabilizer	1
Memorigenic	1
Metal-Chelator	3
Metal-Chelator (Copper)	2
Metalloproteinase-Inhibitor	2
MMP-9-Inhibitor	3
Mosquitocide	2
Mosquitofuge	2
Motor-Depressant	2
Mucogenic	1
Mucolytic	1
Musculotropic	1
Mutagenic	4
Mycobactericide	1
Myoprotective	1
Myorelaxant	8
NADH-Oxidase-Inhibitor	1
Natriuretic	1
Nematicide	8
NEP-Inhibitor	2
Nephrotoxic	4
Neurogenic	1

Activity	Chemical Count
Neuroinhibitor	1
Neuroprotective	3
Neurotoxic	1
Neurotransmitter	1
NF-kB-Inhibitor	2
Nigrifacient	1
NO-Genic	2
NO-Inhibitor	6
NO-Synthase-Inhibitor	1
Ophthalmic-Antialkali	1
Ornithine-Decarboxylase-Inhibitor	6
Oviposition-Stimulant	2
Oxidant	1
Oxidase-Inhibitor	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	3
P450-Inducer	3
P450-Inhibitor	1
PAF-Inhibitor	2
Pancreatogenic	2
Paralytic	1
Parasympathomimetic	1
Perfumery	25
Peristaltic	2
Peroxynitrite-Scavenger	1
Pesticide	67
PGE2-Inhibitor	1

Activity	Chemical Count
Phagocytotic	3
Phosphodiesterase-Inhibitor	1
Phospholipase-Inhibitor	1
Photoactive	1
Photodermatotic	1
Photosensitizer	1
Phototoxic	1
Phytoalexin	2
Phytohormonal	1
Pigment	1
Plasmodicide	1
Preservative	1
Proliferant	2
Prooxidant	5
Propepic	4
Prostaglandigenic	4
Prostaglandin-Synthesis-Inhibitor	4
Prostaglandin-Synthetase-Inhibitor	1
Protein-Kinase-C-Inhibitor	2
Protein-Kinase-Inhibitor	1
Protisticide	2
PTK-Inhibitor	2
Quinone-Reductase-Inducer	4
Radioprotective	1
Renoirritant	1
Retinoprotectant Optometry	1
Reverse-Transcriptase-Inhibitor	1

Activity	Chemical Count
Rodenticide	1
Secretagogue	1
Sedative	15
Soap	1
Soporific	1
Spasmogenic	5
Spasmolytic	1
Spermicide	2
Styptic	1
Succinoxidase-Inhibitor	1
Sunscreen	7
Suppository	1
Sweetener	2
T-Cell-Stimulant	1
Teratologic	2
Termiticide	2
Termitifuge	3
Testosterone-Inducer	1
Thymoprotective	1
Tissue-Thromboplastin-Inhibitor	1
TNF-alpha-Inhibitor	5
Tonic	1
Topoisomerase-I-Inhibitor	5
Topoisomerase-II-Inhibitor	5
Toxic	1
Tranquilizer	4
Transdermal	4

Activity	Chemical Count
Tremorigenic	1
Trichomonicide	4
Tumor-Promoter	1
Tumorigenic	2
Tyrosinase-Inhibitor	4
Tyrosine-Kinase-Inhibitor	3
Ubiquiot	6
Ulcerogenic	1
Uricosuric	1
Urinary-Acidulant	1
Uterosedative	2
Uterotrophic	1
Vasoconstrictor	1
Vasodilator	9
Vasopressor	2
Vasorelaxant	1
VEGF-Inhibitor	3
Vermifuge	1
Vulnerary	6
Xanthine-Oxidase-Inhibitor	11