

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Hyssopus officinalis***

Activity	Chemical Count
(-)-Chronotropic	3
(-)-Inotropic	3
ABeta-Inhibitor	1
Abortifacient	3
Acaricide	7
ACE-Inhibitor	4
AChE-Inhibitor	1
Acnegenic	1
Adenylate-Cyclase-Inhibitor	1
Aldose-Reductase-Inhibitor	8
Allelochemic	4
Allelopathic	6
Allergenic	14
Analgesic	12
Ancylostomicide	1
Androgenic	1
Anesthetic	11
Angiogenic	1
Ankylostomacide	1
Anorexic	1
Anthelmintic	5
Anti-LDL	1
Antiacetylcholine	1
Antiacetylcholinesterase	9
Antiacne	6
Antiadenomic	2
Antiadenoviral	1

Activity	Chemical Count
Antiaggregant	6
Antiaging	1
Antiallergenic	2
Antiallergic	6
Antialopepic	1
Antialzheimeran	4
Antialzheimeran?	3
Antianaphylactic	2
Antiandrogenic	1
Antiarachidonate	1
Antiarrhythmic	4
Antiarthritic	2
Antiasthmatic	3
Antiatherogenic	1
Antiatherosclerotic	4
Antibacillary	1
Antibacterial	35
Antibradykinic	1
Antibronchitic	3
Anticancer	8
Anticancer (Breast)	2
Anticancer (Cervix)	2
Anticancer (Colon)	2
Anticancer (Forestomach)	1
Anticancer (Gastric)	1
Anticancer (Liver)	1
Anticancer (Lung)	1

Activity	Chemical Count
Anticancer (Pancreas)	1
Anticancer (Skin)	1
Anticapillary-Fragility	2
Anticarcinogenic	3
Anticarcinomic	2
Anticariogenic	10
Anticatarrh	1
Anticholestatic	1
Anticholinesterase	2
Anticholinesterase?	1
Antichoreic	1
Anticirrhotic	2
Anticlastogen	1
Anticoagulant	1
Anticolic	1
Anticomplement	2
Anticomplementary	1
Anticonvulsant	5
AntiCVI	1
Anticystinuric	1
Anticytotoxic	1
Antidementia	2
Antidepressant	2
Antidiabetic	2
Antidiabetic?	1
Antidiarrheic	2
Antidiuretic	1

Activity	Chemical Count
AntiDNA	1
Antidote (Strychnine)	1
Antidysenteric	2
Antidyskinetic	1
Antidysmenorrhic	1
AntiEBV	1
Antiedemic	8
Antielastase	1
Antiemetic	1
Antiescherichic	3
Antiesophagitic	1
Antiestrogenic	3
Antifatigue	1
Antifeedant	10
Antifertility	2
Antifibrosarcomic	1
Antifibrositic	1
Antiflu	5
Antigenotoxic	1
Antigingivitic	1
Antigliomic	1
Antiglutamaergic	1
Antigoiter	1
Antigonadotrophic	1
Antigonadotropic	2
Antihalitotic	2
Antihelicobacter	2

Activity	Chemical Count
Antihemolytic	2
Antihemorrhoidal	1
Antihepatoadenomic	1
Antihepatotoxic	6
Antiherpetic	5
Antihistaminic	5
AntiHIV	5
Antihomocysteine	1
Antihypercholesterolemic	1
Antihyperlipidemic	2
Antihyperlipoproteinaemic	1
Antihypertensive	1
Antihyperthyroid	2
Antiinflammatory	18
Antiintegrase	1
Antiischemic	1
Antikeratotic	1
Antilaryngitic	1
AntiLegionella	1
Antileishmanic	1
Antileptic	1
Antileukemic	6
Antileukotriene	5
Antilipolytic	1
Antilipoperoxidant	1
Antilithic	1
Antilithic?	1

Activity	Chemical Count
Antilymphomic	4
Antimalarial	5
Antimange	1
Antimanic	1
Antimelanogenic	1
Antimelanomic	6
Antimetastatic	2
Antimetastatic (Stomach)	1
Antimetrorrhagic	1
Antimite	1
Antimitotic	2
Antimutagenic	12
Antineoplastic	1
Antinephritic	4
Antineuralgic	1
Antineuritic	1
Antineuropathic?	1
Antinitrosaminic	5
Antinitrosating	1
Antinociceptive	4
Antiobesity	1
Antiobesity?	1
Antiodontalgic	1
Antiophidic	3
Antiotitic	1
Antioxidant	18
Antioxidant (LDL)	3

Activity	Chemical Count
Antipeptic	1
Antiperiodontic	2
Antiperoxidant	4
AntiPGE2	1
Antipharyngitic	1
Antiplaque	5
Antiplasmodial	5
Antipneumonic	1
Antiprogestational	1
Antiproliferant	6
Antiproliferative	1
Antiprostaglandin	7
Antiprostataadenomic	1
Antiprostatitic	1
Antiproteolytic	1
Antipuritic	2
Antipulmonotic	1
Antipyretic	3
Antiradicular	9
Antirenitic	1
Antirheumatalgic	1
Antirheumatic	2
Antirhinitic	1
Antirhinoviral	1
AntiRNA	1
Antisalmonella	4
Antisarcomic	1

Activity	Chemical Count
Antiseptic	23
Antiserotonin	1
Antishock	2
Antisinusitic	1
Antispasmodic	19
Antistaphylococcic	9
Antisteatotic	1
Antistomatitic	2
Antistreptococcic	3
Antisunburn	1
AntiTGF-beta	2
Antithiamin	1
Antithrombic	1
Antithromboxane	3
Antithyreotropic	1
Antithyroid	2
Antithyrototoxic	1
AntiTNF	1
Antitrichinosic	1
Antitriglyceride	1
Antitrypanosomic	1
Antitubercular	1
Antitumor	11
Antitumor (brain)	1
Antitumor (Breast)	5
Antitumor (Cervix)	3
Antitumor (Colon)	4



Activity	Chemical Count
Antitumor (Forestomach)	1
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	1
Antitumor (Lung)	3
Antitumor (Ovary)	1
Antitumor (Pancreas)	3
Antitumor (Prostate)	1
Antitumor (Skin)	2
Antitumor (Stomach)	2
Antitumor-Promoter	5
Antitussive	5
Antiulcer	11
Antiulcerogenic	1
Antiuremic	1
Antivaccinia	2
Antiviral	16
Antiyeast	1
Anxiolytic	3
Apifuge	1
Apoptotic	5
Aromatase-Inhibitor	2
Arrhythmigenic	1
Artemicide	1
Arteriodilator	1
Ascaricide	1
Ataxigenic	1

Activity	Chemical Count
Bacteriostatic	1
Barbituate-Synergist	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	2
Bitter	1
Bronchoprotectant	1
Bronchorelaxant	1
Bruchifuge	1
Calcium-Antagonist	6
Cancer-Preventive	20
Candidicide	11
Candidistat	2
Capillariprotective	1
Carcinogenic	5
Carcinogenic?	1
Cardiac	1
Cardioactive	1
Cardiodepressant	1
Cardioprotective	2
Cardiotonic	2
Carminative	5
Caspase-8-Inducer	1
Catabolic	1
Cerebrotonic	1
Chelator	1
Chemopreventive	5
Cholagogue	3

Activity	Chemical Count
Choleretic	8
Cholesterolytic	2
Cholinergic	1
Cicatrizant	1
Clastogenic	1
CNS-Active	1
CNS-Depressant	5
CNS-Stimulant	4
CNS-Toxic	1
Co-carcinogenic	1
Coleoptophile	1
Collagen-Sparing	1
COMT-Inhibitor	1
Convulsant	4
Cosmetic	1
Counterirritant	3
COX-1-Inhibitor	2
COX-2-Inhibitor	5
Culicide	3
Cyclooxygenase-Inhibitor	7
Cytochrome-P450-Inducer	3
Cytochrome-P450-Inhibitor	1
Cytoprotective	2
Cytotoxic	5
Decongestant	2
Degranulant	1
Deiodinase-Inhibitor	1

Activity	Chemical Count
Deliriant	1
Dentifrice	2
Deodorant	2
Dermal	1
Dermatitigenic	3
Detoxicant	1
Differentiator	1
Diuretic	5
DNA-Active	1
DNA-Binder	3
DNA-Protective	1
Ecbolic	1
Edemagenic	1
Elastase-Inhibitor	2
Embryotoxic	1
Emetic	3
Emmenagogue	2
Enterocontractant	1
Enterorelaxant	3
Enterotoxic	1
Epileptigenic	3
Estrogenic	3
Expectorant	13
Febrifuge	1
FLavor	31
Fungicide	22
Fungiphilic	1

Activity	Chemical Count
Fungistat	2
GABA-nergic	1
Gastroirritant	1
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	1
Goitrogenic	1
Gonadotrophic	1
Gram(+)-icide	2
Gram(-)-icide	2
GST-Inducer	1
Hepatocarcinogenic	3
Hepatoprotective	9
Hepatotonic	1
Hepatotropic	2
Herbicide	12
Histamine-Inhibitor	1
Histaminic	1
Hydrocholerectic	1
Hyperthyroid	1
Hypnotic	1
Hypocholesterolemic	3
Hypocholesterolemic?	1
Hypoglycemic	3
Hypolipemic	1
Hypolipidemic	3
Hypotensive	4
Hypothermic	5

Activity	Chemical Count
Ileorelaxant	1
Immunomodulator	4
Immunostimulant	4
Immunosuppressant	1
Inflammatory	1
Inhalant	1
Insect-Repellent	2
Insecticide	14
Insectifuge	28
Insectiphile	3
Interleukin-6-Inhibitor	2
Irritant	17
Juvabional	1
Larvicide	6
Laxative	2
Leucocytogenic	2
Leukotriene-Inhibitor	1
Lipolytic	1
Lipotropic	2
Lipoxygenase-Inhibitor	6
Litholytic	1
Lyase-Inhibitor	1
MAO-Inhibitor	1
MDR-Inhibitor	1
Memorigenic	1
Metal-Chelator	2
MMP-9-Inhibitor	1

Activity	Chemical Count
Molluscicide	1
Mosquitofuge	2
Motor-Depressant	4
Mutagenic	1
Mycobactericide	1
Myorelaxant	9
Narcotic	2
Nematicide	14
Nephrotoxic	1
Neuroprotective	1
Neurotoxic	4
NF-kB-Inhibitor	1
NO-Genic	1
NO-Inhibitor	1
Occuloirritant	1
Ornithine-Decarboxylase-Inhibitor	5
Osteoblastogenic	1
Ozone-Scavenger	1
P450-2B1-Inhibitor	5
P450-Inducer	4
P450-Inhibitor	1
Parasympathomimetic	1
Pediculicide	1
Perfume	1
Perfumery	29
Peristaltic	1
Pesticide	48

Activity	Chemical Count
Phagocytotic	2
Pheromone	1
Photosensitizer	1
Piscicide	2
Potassium-Sparing	1
PPAR-Gamma-Antagonist	1
Preservative	1
ProHDL	1
Prooxidant	2
Prostaglandigenic	2
Prostaglandin-Inhibitor	1
Prostaglandin-Synthesis-Inhibitor	3
Protease-Inhibitor	1
Protisticide	2
Psychotropic	1
Quinone-Reductase-Inducer	1
Radioprotective	2
Renoirritant	1
Respirainhibitor	1
Respirastimulant	1
Rubefacient	2
Secretagogue	2
Sedative	19
Sodium-Sparing	1
Spasmogenic	5
Spermicide	2
Sprout-Inhibitor	1



Activity	Chemical Count
Stimulant	1
Sunscreen	2
Surfactant	1
Sweetener	1
Termiticide	3
Termitifuge	1
Testosterone-Hydroxylase-Inducer	1
Testosterone-Inducer	1
Thyrotropic	1
TNF-alpha-Inhibitor	1
TOPO-2-Inhibitor	1
Tracheorelaxant	2
Tranquilizer	2
Transdermal	6
Trichomonicide	9
Trichomonistat	1
Trypanocide	1
Trypsin-Enhancer	1
Tumor-Promoter	1
Tumorigenic	1
Tyrosinase-Inhibitor	2
Ubiquiot	2
Ulcerogenic	3
Urinary-Antiseptic	1
Uterosedative	1
Uterotonic	1
Varroacide	2

Activity	Chemical Count
Vasodilator	1
Vasopressor	3
Venoprotective	1
Venotonic	1
Vermicide	1
Vermifuge	2
Verrucolytic	1
Vibriocide	1
Vulnerary	3
Xanthine-Oxidase-Inhibitor	2