

Dr. Duke's Phytochemical and Ethnobotanical Databases
Biological Activities found in *Ilex paraguariensis*

Activity	Chemical Count
Pesticide	11
Cancer-Preventive	10
Antioxidant	9
Antitumor	8
Antiulcer	8
Antiviral	7
Diuretic	6
Antimutagenic	6
Hypoglycemic	6
Anticancer	6
Hepatoprotective	6
Choleretic	6
Antidiabetic	6
Vasodilator	5
Antitumor-Promoter	5
Hypocholesterolemic	5
Antibacterial	5
Antiinflammatory	5
cAMP-Phosphodiesterase-Inhibitor	4
CNS-Stimulant	4
Analgesic	4
Antinephritic	4
Antidermatitic	4
Antiasthmatic	4
Antiradicular	4
Myorelaxant	4
Antihepatotoxic	4

Activity	Chemical Count
Hypotensive	4
Lipoxygenase-Inhibitor	4
Perfumery	4
FLavor	4
Allergenic	3
Antiherpetic	3
Antirhinitic	3
Herbicide	3
cGMP-Phosphodiesterase-Inhibitor	3
Cardiotonic	3
Antiperoxidant	3
AntiHIV	3
Antispasmodic	3
Ornithine-Decarboxylase-Inhibitor	3
Antihypertensive	3
Irritant	3
Allelochemic	3
Antiatherosclerotic	3
Apoptotic	3
Vulnerary	3
Teratogenic	3
Stimulant	3
Cardioprotective	3
Anticancer (Colon)	3
Antihistaminic	3
Anticariogenic	3
Antinociceptive	3

Activity	Chemical Count
Antiedemic	3
Anticancer (Liver)	3
Antifeedant	3
Antihypercholesterolemic	2
Antisunburn	2
Antidementia	2
Beta-Blocker	2
Antisickling	2
Juvabional	2
Antianemic	2
Neurotoxic	2
Anticephalagic	2
Antitumor (Colon)	2
Sunscreen	2
AntiEBV	2
Antipolio	2
Myocardiotoxic	2
Antitrypanosomic	2
Candidicide	2
Protisticide	2
Antimigraine	2
Insecticide	2
Bronchodilator	2
Lipotropic	2
Arteriodilator	2
Larvostat	2
Hypertensive	2

Activity	Chemical Count
Antiallergic	2
Anticheilitic	2
Topoisomerase-II-Inhibitor	2
Chemopreventive	2
Fetotoxic	2
Anticarpal-Tunnel	2
Antitumor (Liver)	2
Sweetener	2
Antiemetic	2
Catabolic	2
Antithyroid	2
cAMP-Inhibitor	2
Propecic	2
Immunomodulator	2
Antidecubitic	2
Antiobesity	2
Antialzheimeran	2
Oviposition-Stimulant	2
Fungicide	2
Anticellulitic	2
Anticarcinogenic	2
Antitumor (Cervix)	2
Antidyskinetic	2
Mutagenic	2
Cyclooxygenase-Inhibitor	2
Antimetastatic	2
Immunosuppressant	2

Activity	Chemical Count
Antiarthritic	2
Antimalarial	2
Antiapneic	2
Antischizophrenic	2
Anticirrhotic	2
Antiaggregant	2
Antiescherichic	2
Aldose-Reductase-Inhibitor	2
(+)-Inotropic	2
Antiseptic	2
Vasopressor	2
Antiglossitic	2
Anticataract	2
Antitumor (Lung)	2
Tachycardic	2
Antihyperthyroid	1
Energizer	1
Anticapillary-Fragility	1
Antitumor (Breast)	1
Spasmogenic	1
Antineuropathic	1
Antidysenteric	1
Cardiodepressant	1
Antiplatelet	1
Mosquitocide	1
Anticancer (Cervix)	1
Antithyrototoxic	1

Activity	Chemical Count
Quinone-Reductase-Inducer	1
Insectiphile	1
Antidiarrheic	1
5-HT-Inhibitor	1
Antiparkinsonian	1
Lypolytic	1
COX-2-Inhibitor	1
Antiautistic	1
Prostaglandin-Secretor	1
Antimenorrhagic	1
Immunostimulant	1
Antiobesity?	1
Leukotriene-Inhibitor	1
Antihalitotic	1
Antiarrhythmic	1
Phosphodiesterase-Inhibitor	1
Antilymphomic	1
Anticonvulsant	1
Aromatase-Inhibitor	1
Xanthine-Oxidase-Inhibitor	1
Oxidant	1
Antileukotriene	1
Antichoreic	1
Antivaricose	1
Trypanocide	1
Antiflu	1
Cholesterolytic	1

Activity	Chemical Count
Antipurpuric	1
Antikeratitic	1
Gastroprotective	1
Antitumor (Skin)	1
TOPO-2-Inhibitor	1
Antierythemic	1
Antiacne	1
Antihypotensive	1
Ergotamine-Enhancer	1
Anticarcinomic	1
Antinitrosaminic	1
Antihyperkinetic	1
Dye	1
Anticancer (Foreestomach)	1
Respirastimulant	1
Insulinotonic	1
Antidote (Hydrazine)	1
Aldehyde-Oxidase-Inhibitor	1
Memorigenic	1
Cytoprotective	1
Antibradyarrhythmic	1
Antithrombogenic	1
Antiotitic	1
Antihemolytic	1
Colorant	1
Potassium-Sparing	1
Antimanic	1

Activity	Chemical Count
Hypouricemic	1
AntiCVI	1
Clastogenic	1
Antiapoplectic	1
Antiseborrheic	1
Parasympathomimetic	1
Antilisteria	1
Anticlastogen	1
Antiglaucomic	1
AntiLegionella	1
Hemostat	1
Antifatigue	1
Antiinfertility	1
Angiotensin-Receptor-Blocker	1
Antiproliferant	1
Emetic	1
Anticancer (Skin)	1
Antitumor (brain)	1
Sodium-Sparing	1
Antineuritic	1
Antidrepanocytic	1
Carcinogenic	1
Antiplasmodial	1
MMP-9-Inhibitor	1
Antihomocystinuric	1
Deodorant	1
Pyrogenic	1

Activity	Chemical Count
AntiMSG-Sensitivity	1
Insectifuge?	1
Antidiabetic?	1
5-Alpha-Reductase-Inhibitor	1
Lubricant	1
Cosmetic	1
Antisteatotic	1
Antimelanomic	1
Bacteristat	1
Leucocytogenic	1
Antigonadotropic	1
CNS-Depressant	1
Antiarabiflavinotic	1
Antiserotonergic	1
AntiLyme	1
Anticomplement	1
Antirheumatitic?	1
Antileukemic	1
Anticholestatic	1
Antivaccinia	1
Transdermal	1
Antifibrosarcomic	1
Nematistat	1
Antiinsomniac?	1
Antitumor (Ovary)	1
Antiepileptic	1
cGMP-Inhibitor	1

Activity	Chemical Count
Anthelmintic	1
Antiprotozoal	1
Antihyperventilation	1
Epidermal-Stimulant	1
Antineuropathic?	1
Analeptic	1
AntiPMS	1
Antihyperglycemic	1
Dopaminergic	1
AntiTMJ	1
Radioprotective	1
Antinarcotic	1
Insulinase-Inhibitor	1
Antidote	1
Adenosine-Antagonist	1
Antipellagic	1
MAO-Inhibitor	1
AntiTGF-beta	1
Protease-Inhibitor	1
Antidepressant	1
Beta-Glucuronidase-Inhibitor	1
Antiophidic	1
Lipolytic	1
Antihematuric	1
Collagen-Sparing	1
Antisinusitic	1
Piscicide	1

Activity	Chemical Count
AntiCrohn's	1
Arrhythmigenic	1
Larvicide	1
PAF-Inhibitor	1
Antilipolytic	1
Histamine-Inhibitor	1
Antivertigo	1
Ubiquitin	1
Antigenotoxic	1
Cholinergic	1
Antiradiation	1
NO-Genic	1
Antilactobacillic	1
Glucosyl-Transferase-Inhibitor	1
Anticervicaldysplastic	1
Antitumor (Stomach)	1
Topoisomerase-I-Inhibitor	1
Chelator	1
Antielus?	1
Estrogenic?	1
Antitumor (Forestomach)	1
Suppository	1
Cardiovascular	1
Analgesic-Synergist	1
Antiprolactin	1
Myoprotective	1
Antihyperlipidemic	1

Activity	Chemical Count
Elastase-Inhibitor	1
Sedative	1
Antineuralgic	1
Interferonogenic	1
Antidote (pesticides)	1
Capillariprotective	1
Antiphotophobic	1
Metal-Chelator	1
Antihomocysteine	1
Cytotoxic	1
Antibronchitic	1
Antithromboxane	1
Psychotropic	1
AntiMorning-Sickness	1
Insectifuge	1
Bruchifuge	1
Antioxaluric	1
Antihemorrhoidal	1
Coronary-Dilator	1
Antiatherogenic	1
Antistaphylococcic	1
Progesteronigenic	1
Antimelanogenic	1
Ileorelaxant	1
Anticystinuric	1
Autotoxic	1
Laxative	1

Activity	Chemical Count
CNS-Active	1
Antiapoptotic	1
Antilithic	1
Hyperuricemic	1
Anticlaudificant?	1
Antiyeast	1
Antialopepic	1
Antirenitic	1
Osmoregulator	1
Antileishmanic	1
Hepatomagenic	1
Antichilblain	1
Tranquilizer	1
Cholagogue	1
Antiemphysemic	1
Cerebrotonic	1
Anorexic	1
Antiproliferative	1
Myostimulant	1