

**Dr. Duke's Phytochemical and Ethnobotanical Databases**  
**Biological Activities found in *Elaeagnus angustifolia***

Activity	Chemical Count
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	3
5-HETE-Inhibitor	1
5-Lipoxygenase-Inhibitor	2
Abortifacient	2
ACE-Inhibitor	1
Acidulant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	7
Allelochemic	4
Allelopathic	2
Allergenic	4
Anabolic	1
Analgesic	6
Angiotensin-Receptor-Blocker	1
Anthelmintic	1
Antiadenoviral	1
Antiaflatoxin	3
AntiAGE	1
Antiaggregant	8
Antiaging	4
Antialcoholic	1
Antialkali?	1
Antiallergic	5
Antialopepic	1
Antialzheimeran	3
Antianaphylactic	3

Activity	Chemical Count
Antiandrogenic	1
Antianginal	1
Antiangiogenic	1
Antiarrhythmic	2
Antiartherosclerotic	1
Antiarthritic	4
Antiasthmatic	2
Antiatherogenic	1
Antiatherosclerotic	5
Antibacterial	13
Antibronchitic	1
Anticancer	2
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Colon)	3
Anticancer (Esophagus)	1
Anticancer (Forestomach)	2
Anticancer (Liver)	2
Anticancer (Mouth)	1
Anticancer (Skin)	2
Anticarcinogenic	3
Anticarcinomic	1
Anticarcinomic (Breast)	1
Anticariogenic	5
Anticataract	4
Anticervicaldysplastic	1
AntiCFS	1

Activity	Chemical Count
Antichorea	1
Antichoreic	1
Anticlastogen	1
Anticlimacteric	1
Anticold	1
Anticolitic	1
Anticomplement	1
Anticomplementary	2
Anticonvulsant	1
Anticoronary	1
AntiCrohn's	2
AntiCTS	1
Anticystitic	1
Antidecubitic	2
Antidementia	2
Antidepressant	3
Antidermatitic	2
Antidiabetic	5
Antidote (Aluminum)	1
Antidote (Cadmium)	1
Antidote (Lead)	1
Antidote (Paraquat)	1
Antidysmenorrheic	2
AntiEBV	2
Antieczemic	1
Antiedemic	4
Antielastase	2

Activity	Chemical Count
Antiencephalitic	2
Antiendometriotic	1
Antiendotoxic	1
Antiepileptic	1
Antiepitheleomic	1
Antiescherichic	2
Antiestrogenic	2
Antifatigue	1
Antifeedant	4
Antifertility	3
Antifibrinolytic	1
Antifibrosarcomic	1
Antifibrositic	1
Antifibrotic	1
Antiflu	3
Antigallstone	1
Antiganglionic	1
Antigastric	1
Antigastritic	1
Antigenotoxic	1
Antigingivitic	4
Antiglaucomic	1
Antiglycosation	1
Antigonadotropic	3
AntiGTF	2
Antihangover	1
Antihemolytic	2

Activity	Chemical Count
Antihemorrhagic	1
Antihepatitic	3
Antihepatoadenomic	1
Antihepatotoxic	9
Antiherpetic	8
Antihistaminic	7
AntiHIV	6
Antihydrophobic	1
Antihyperammonemic	1
Antihypercholesterolemic	2
Antihyperglycemic	1
Antihyperlipidemic	2
Antihypertensive	2
Antihyperthyroid	3
Antiimplantation	1
Antiinfertility	2
Antiinflammatory	13
Antiischemic	2
AntiLegionella	2
Antileishmanic	1
Antileptic	1
Antileukemic	9
Antileukotriene	5
Antilipoperoxidant	3
Antilithic	3
Antilupus	1
AntiLyme	1

Activity	Chemical Count
Antilymphocytic	1
Antimaculitic	2
Antimalarial	4
Antimastalgic	1
AntiMD	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	2
Antimenopausal	1
Antimetastatic	1
Antimigraine	1
Antimitotic	1
AntiMS	1
Antimutagenic	8
Antimyocarditic	1
Antimyoclonic	1
Antineoplastic	1
Antinephritic	1
Antineuramidase	1
Antineuritic	1
Antineuropathic	1
Antinitrosaminic	6
Antinitrosic	1
Antinociceptive	1
Antiobesity	1
Antiophidic	1
Antiophthalmic	1

Activity	Chemical Count
Antiorchitic	1
Antiosteoarthritic	2
Antiosteoporotic	1
Antiosteotic	1
Antioxidant	15
Antipancreatic	1
Antiparkinsonian	3
Antiparotitic	1
Antiperiodontal	2
Antiperiodontic	3
Antiperiodontitic	1
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	7
Antiperoxyinitrite	1
AntiPGE2	1
Antipharyngitic	1
Antiplateque	5
Antiplasmodial	3
AntiPMS	2
Antipneumonic	1
Antipodriac	2
Antipolio	2
Antipoliomyelitic	1
Antiproliferant	3
Antiprostaglandin	2
Antiprostanoid	1

Activity	Chemical Count
Antiprostatic	2
Antipsoriac	1
Antipyretic	1
Antiradicular	8
AntiRaynaud's	1
Antiretardation	1
Antiretinopathic?	1
Antiretinotic	1
Antirheumatic	2
Antirhinitic	1
Antisarcomic	1
Antisclerodermic	1
Antiscorbutic	1
Antisenility	1
Antiseptic	8
Antiserotonin	2
Antishingles	1
Antisickling	1
Antispasmodic	8
Antistaphylococcic	2
Antisterility	1
Antistomatitic	1
Antistreptococcic	2
Antistress	1
Antistroke	1
Antisunburn	3
Antisyndrome-X	2



Activity	Chemical Count
AntiTGF-beta	1
Antithalasemic	1
Antithiamin	2
Antithrombic	2
Antithrombotic	1
Antithromboxane-B2	1
Antithyroid	3
Antitoxemic	1
Antitrypanosomic	3
Antitumor	9
Antitumor (Bladder)	1
Antitumor (Breast)	3
Antitumor (Colon)	4
Antitumor (Colorectal)	1
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Kidney)	1
Antitumor (Liver)	2
Antitumor (Lung)	3
Antitumor (Ovary)	1
Antitumor (Pancreas)	1
Antitumor (Prostate)	1
Antitumor (Skin)	4
Antitumor (Stomach)	1
Antitumor-Promoter	5
Antiulcer	6
Antiulcerogenic	2

Activity	Chemical Count
Antivaccinia	1
Antiviral	11
Antiyeast	1
Anxiolytic	2
Aphrodisiac	1
Apoptotic	5
Aromatase-Inhibitor	2
Arteriodilator	1
Asthma-preventive	1
Astringent	2
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	1
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	1
Beta-Glucuronidase-Inhibitor	2
Bradycardiac	1
Bradycardic	1
Calcium-Antagonist	3
Calmodulin-Antagonist	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	14
Candida-SAP-Inhibitor	1
Candidicide	2
Capillariprotective	1
Carcinogenic	4
Cardiac	1

Activity	Chemical Count
Cardioprotective	4
Cardiotonic	2
Cardiovascular	1
Catabolic	1
Cerebroprotective	1
Chemopreventive	3
Cholagogue	3
Choleretic	5
Choline-Sparing	1
Circulatory-Stimulant	1
Circulotonic	1
Clastogenic	2
CNS-Active	2
CNS-Sedative	1
CNS-Stimulant	2
Co-carcinogenic	1
Cold-preventive	1
Collagen-Sparing	2
Collagenic	1
COMP-Inhibitor	1
COMT-Inhibitor	1
Convulsant	2
Copper-Chelator	2
Cosmetic	1
COX-1-Inhibitor	1
COX-2-Inhibitor	4
Cyclooxygenase-Inhibitor	4

Activity	Chemical Count
Cytochrome-P450-1A2-Inhibitor	1
Cytoprotective	1
Cytotoxic	7
Deiodinase-Inhibitor	2
Desmutagenic	1
Detoxicant	2
Diaphoretic?	3
Differentiator	1
Diuretic	5
DNA-Active	1
DNA-Protective	1
Elastase-Inhibitor	1
Estrogenic	2
Euphoriant	1
Fistula-Preventive	1
FLavor	3
Fungicide	8
Glucosyl-Transferase-Inhibitor	2
Hallucinogenic	1
Hemolytic	1
Hemostat	2
Hemostatic	1
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	10
Hepatotropic	3
Herbicide	2

Activity	Chemical Count
Histamine-Inhibitor	2
HIV-RT-Inhibitor	3
Hydrocholerectic	1
Hypercholesterolemic	1
Hypocholesterolemic	5
Hypoglycemic	5
Hypolipemic	1
Hypolipidemic	1
Hypotensive	4
ICAM-1-Inhibitor	1
Immunomodulator	3
Immunostimulant	6
Immunosuppressant	1
iNOS-Inhibitor	2
Inotropic	2
Insectifuge	3
Insulin-Sparing	1
Insulinogenic	2
Interferonogenic	2
Interleukin-1-alpha-Inhibitor	1
Interleukin-6-mRNA-Inhibitor	1
Iodothyronine-Deiodinase-Inhibitor	1
JNK-Inhibitor	1
Juvabional	3
Larvostat	2
Leucocytogenic	1
Leukotriene-Inhibitor	2

Activity	Chemical Count
Lipoxygenase-Inhibitor	8
Lithogenic	1
Lubricant	2
Lyase-Inhibitor	1
MAO-A-Inhibitor	1
MAO-Inhibitor	4
Mast-Cell-Stabilizer	1
Metal-Chelator	3
Metal-Chelator (Copper)	1
Metalloproteinase-Inhibitor	1
MMP-9-Inhibitor	1
Mucolytic	1
Mutagenic	2
NADH-Oxidase-Inhibitor	1
Natriuretic	1
Nematicide	2
NEP-Inhibitor	1
Neuroprotective	2
Neurotoxic	2
NF-kB-Inhibitor	2
NO-Genic	1
NO-Inhibitor	4
NO-Synthase-Inhibitor	1
Ornithine-Decarboxylase-Inhibitor	5
Oviposition-Stimulant	1
P21-Inducer	1
P450-Inducer	1

Activity	Chemical Count
P450-Inhibitor	1
PAF-Inhibitor	1
Pancreatogenic	1
Perfumery	1
Peroxynitrite-Scavenger	1
Pesticide	14
PGE2-Inhibitor	1
Phagocytotic	2
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Photoactive	1
Piscicide	1
Plasmodicide	1
Preservative	1
Proliferant	1
Prooxidant	1
Propecic	4
Prostaglandigenic	3
Prostaglandin-Synthesis-Inhibitor	4
Protein-Kinase-C-Inhibitor	2
Protisticide	1
PTK-Inhibitor	1
Quinone-Reductase-Inducer	4
Sedative	2
Soap	2
Sunscreen	4
Suppository	1

Activity	Chemical Count
Sweetener	1
Teratologic	2
TNF-alpha-Inhibitor	3
Topoisomerase-I-Antagonist	1
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	2
Tranquilizer	1
Tremorigenic	2
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Uricosuric	1
Urinary-Acidulant	1
Uterosedative	1
Uterotonic	1
Uterotrophic	1
Vasodilator	5
Vasopressor	1
VEGF-Inhibitor	1
Vulnerary	4
Xanthine-Oxidase-Inhibitor	5