

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in *Zanthoxylum americanum***

<b>Activity</b>	<b>Chemical Count</b>
(+)-Inotropic	1
12-Lipoxygenase-Inhibitor	1
5-Lipoxygenase-Inhibitor	1
Abortifacient	2
Adrenolytic	1
Adrenostimulant	1
Amebicide	1
Analgesic	3
Androgenic	1
Anesthetic	1
Angiogenic	1
Anorexic	1
Anthelmintic	1
Antiacetylcholinesterase	2
Antiacne	1
Antiadenomic	1
Antiadrenergic	1
Antiaflatoxin	2

<b>Activity</b>	<b>Chemical Count</b>
Antiaggregant	3
Antiallopecic	1
Antialzheimeran	1
Antiamnesic	1
Antiandrogenic	1
Antiangiogenic	1
Antiarrhythmic	1
Antiarthritic	1
Antibacillus	1
Antibacterial	6
Antibiotic	1
Anticancer	2
Anticancer (Breast)	1
Anticancer (Cervix)	1
Anticancer (Lung)	1
Anticariogenic	2
Antichlamydial	1
Anticholecystitic	1
Anticholera	1
Anticirrhotic	1

<b>Activity</b>	<b>Chemical Count</b>
Anticonjunctivitic	1
Anticonvulsant	4
Antidepressant	1
Antidermatitic	1
Antidiarrheic	2
Antidiuretic	1
Antidysenteric	2
Antiedemic	2
Antiendotoxic	1
Antienterotoxic	1
Antiescherichic	1
Antiestrogenic	1
Antifeedant	3
Antifertility	1
Antigiardial	1
Antiglaucomic	1
Antigonadotrophic	1
Antigonorrhea	1
Antihepatomic	1
Antihepatotic	1

<b>Activity</b>	<b>Chemical Count</b>
Antihepatotoxic	1
Antiherpetic	1
Antihistaminic	2
AntiHIV	1
Antihyperlipoproteinaemic	1
Antihypertensive	1
Antiinflammatory	5
Antiischemic	1
Antikeratotic	1
Antileishmanic	1
Antileucodermic	1
Antileukemic	2
Antileukodermic	2
Antilipogenic	1
Antilipolytic	1
Antilymphomic	2
Antimalarial	2
Antimitotic	5
Antimuscarinic	1
Antimutagenic	5

<b>Activity</b>	<b>Chemical Count</b>
Antimyalgic	1
Antimycotic	2
Antineoplastic	2
Antinephritic	2
Antineuromuscular	1
Antiophidic	2
Antioxidant	2
Antiperistaltic	1
Antipharyngitic	1
Antiphotooxidative	1
Antipityriasic	1
Antiplasmodial	1
Antiplatelet	1
Antipneumonic	1
Antiprogestational	1
Antiprostaglandin	2
Antiprostataadenomic	1
Antiprostatitic	1
Antipruritic	1
Antipsoriac	2

<b>Activity</b>	<b>Chemical Count</b>
Antipyretic	3
Antiradicular	1
Antirenitic	1
Antisalmonella	1
Antiscleromyxoedemic	1
Antisecretory	1
Antiseptic	2
Antishigellic	1
Antispasmodic	5
Antispermigenic	1
Antistaphylococcic	1
Antistrep	1
Antisyphilitic	1
Antitrachomic	1
Antitrypanosomic	1
Antitubercular	2
Antitumor	5
Antitumor (brain)	1
Antitumor (Breast)	1
Antitumor (Cervix)	1

<b>Activity</b>	<b>Chemical Count</b>
Antitumor (Lung)	1
Antitumor-Promoter	5
Antitussive	1
Antiulcer	2
Antivaginitic	1
Antiviral	5
Antivertiginic	2
Apoptotic	1
Artemicide	4
Astringent	1
Bacteriophagicide	1
Bilirubolytic	1
Bufocide	2
Calcium-Antagonist	5
Cancer-Preventive	5
Candidicide	4
Carcinogenic	1
Cardiodepressant	1
Cardiotonic	1
Carminative	1

<b>Activity</b>	<b>Chemical Count</b>
Caspase-8-Inducer	1
Chelator	1
Cholagogue	1
Cholekinetic	1
Choleretic	1
CNS-Depressant	2
CNS-Stimulant	1
Collyrium	1
Contraceptive	1
COX-2-Inhibitor	1
Curare	1
Curaroid	1
Cyclooxygenase-Inhibitor	2
Cytochrome-P450-Inhibitor	2
Cytotoxic	4
Cytotoxic (Breast)	3
Cytotoxic (Colon)	3
Cytotoxic (Lung)	2
Dermatitigenic	1
Digestive	1



<b>Activity</b>	<b>Chemical Count</b>
Diuretic	1
DME-Inhibitor	3
DNA-Intercalator	1
Ecbolic	1
Emetic	2
Epileptigenic	1
Estrogenic	1
Febrifuge	1
Fungicide	4
Fungistat	1
Genotoxic	1
Glaucomagenic	1
Glucosyl-Transferase-Inhibitor	1
Gonadotrophic	1
Gram(+)icide	1
Gram(-)icide	1
Hemostat	1
Hepatoprotective	4
Hepatotoxic	1
Herbicide	1

<b>Activity</b>	<b>Chemical Count</b>
Hypertensive	3
Hypertrichotic	1
Hypocholesterolemic	2
Hypoglycemic	2
Hypolipidemic	1
Hypotensive	4
Hypothermic	1
Immunostimulant	2
Immunosuppressant	1
Insecticide	2
Irritant	1
Lachrymatory	1
Larvicide	1
Leucocytogenic	1
Lipase-Inhibitor	2
Lipolytic	2
Lipoxygenase-Inhibitor	3
MAO-A-Inhibitor	1
MAO-B-Inhibitor	1
MAO-Inhibitor	1

<b>Activity</b>	<b>Chemical Count</b>
Molluscicide	3
Mutagenic	2
Mycobactericide	1
Mydriatic	1
Myocardiodepressant	1
Myorelaxant	2
Myotonic	1
Nematicide	1
Nicotinic	1
Occulotensive	1
Ornithine-Decarboxylase-Inhibitor	1
PAF-Inhibitor	1
Paralytic	2
Pesticide	9
Photocarcinogenic	1
Phototoxic	3
Phytoalexin	2
Piscicide	2
Plasmodicide	1
Prostaglandin-Synthesis-Inhibitor	1

<b>Activity</b>	<b>Chemical Count</b>
Protistocide	1
Psychotropic	1
Respiradepressant	1
Respirainhibitor	1
Reverse-Transcriptase-Inhibitor	1
RNA-Depressant	1
RT-Inhibitor	1
Sedative	3
Spermicide	1
Stomachic	1
Tetanic	1
Topoisomerase-I-Inhibitor	2
Topoisomerase-II-Inhibitor	3
Toxic	1
Trichomonicide	1
Trypanocide	1
Ubiquiot	1
Ulcerogenic	1
Uterocontractant	2
Uterotonic	1

<b>Activity</b>	<b>Chemical Count</b>
Vagostimulant	1
Vasoconstrictor	1
Vasodilator	3
Vermifuge	1
Vibriofuge	1
Xanthine-Oxidase-Inhibitor	1