

**Dr. Duke's Phytochemical and Ethnobotanical Database****Biological Activities Found in *Juglans regia***

<b>Activity</b>	<b>Chemical Count</b>
11B-HSD-Inhibitor	2
5-Alpha-Reductase-Inhibitor	5
5-Lipoxygenase-Inhibitor	2
Abortifacient	3
Acaricide	1
Acarifuge	1
ACE-Inhibitor	4
Acidulant	1
Addictive	1
Adjuvant	1
Aldehyde-Oxidase-Inhibitor	1
Aldose-Reductase-Inhibitor	11
Allelochemic	5
Allelopathic	3
Allergenic	9
Alpha-Amylase-Inhibitor	1
Alpha-Reductase-Inhibitor	1
Analgesic	13

<b>Activity</b>	<b>Chemical Count</b>
Anaphrodisiac	1
Androgenic	2
Androgenic?	1
Anemiagenic	2
Anesthetic	1
Angiogenic	1
Angiotensin-Receptor-Blocker	3
Anorectic	1
Anorexic	1
ANS-Paralytic	1
ANS-Stimulant	1
Anthelmintic	2
Antiacid	1
Antiacne	5
Antiacrodermatitic	1
Antiacrodynic	1
AntiADD	1
Antiadenomic	1
Antiadenoviral	1
Antiadenovirus	1

<b>Activity</b>	<b>Chemical Count</b>
Antiaflatoxin	3
AntiAGE	1
Antiaggregant	10
Antiaging	5
Antiakathisic	1
Antialcoholic	4
Antialdosteronic	1
Antialkali?	1
Antialkalotic	1
Antiallergenic	1
Antiallergic	7
Antialopecic	7
Antialzheimeran	7
Antialzheimeran?	1
Antiamblyopic	1
Antianaphylactic	4
Antiandrogenic	4
Antianemic	5
Antianginal	3
Antiangiogenic	3

<b>Activity</b>	<b>Chemical Count</b>
Antianorectic	2
Antianorexic	1
Antianoxic	1
Antianxiety	3
Antiaphthic	1
Antiarabiflavinotic	1
Antiarachidonate	1
Antiarrhythmic	5
Antiarteriosclerotic	2
Antiarthritic	12
Antiasthmatic	6
Antiataxic	1
Antiatherogenic	1
Antiatherosclerotic	9
Antibackache	1
Antibacterial	22
Antiberiberi	1
Antibiotic	1
AntiBPH	1
Antibronchitic	1

<b>Activity</b>	<b>Chemical Count</b>
Anticalculic	1
Anticancer	9
Anticancer (Breast)	1
Anticancer (Cervix)	2
Anticancer (Colon)	3
Anticancer (Esophagus)	1
Anticancer (Forestomach)	2
Anticancer (Liver)	2
Anticancer (Lung)	1
Anticancer (Mouth)	1
Anticancer (Skin)	2
Anticanker	3
Anticapillary-Fragility	1
Anticarcinogenic	3
Anticarcinomic	4
Anticarcinomic (Breast)	1
Anticardiospasmic	1
Anticariogenic	3
Anticarpal-Tunnel	1
Anticataract	10

<b>Activity</b>	<b>Chemical Count</b>
Anticephalagic	3
Anticervicaldysplasic	5
AntiCFS	2
Anticheilitic	4
Antichilblain	1
Anticholinesterase	1
Anticirrhotic	2
Anticlastogen	1
Anticlaudificant?	1
Anticlimacteric	3
Anticoagulant	2
Anticoeliac	1
Anticold	2
Anticolitic	3
Anticomplementary	1
Anticonvulsant	6
Anticoronary	5
AntiCrohn's	3
AntiCRP	1
AntiCTS	1

Activity	Chemical Count
Anticystitic	1
Antidandruff	2
Antidecubitic	3
Antideliriant	1
Antidementia	8
Antidepressant	12
Antidepressant?	1
Antidermatitic	5
Antidermatophytic	1
Antidiabetic	10
Antidiabetic?	2
Antidiarrheic	1
Antidiscotic	1
Antidote (Acetaminophen)	1
Antidote (Aluminum)	2
Antidote (Cadmium)	2
Antidote (Hypoglycin-A)	1
Antidote (Lead)	2
Antidote (Paracetamol)	1
Antidote (Paraquat)	1

<b>Activity</b>	<b>Chemical Count</b>
Antidysenteric	1
Antidysgeuzic	1
Antidyskinetic	3
Antidysmenorrhic	2
Antidyspeptic	1
Antidysphagic	1
AntiEBV	2
Antieczemic	6
Antiedemic	7
Antielastase	3
Antiencephalitic	2
Antiencephalopathic	7
Antiencephalopathic?	1
Antiendometriotic	2
Antiendotoxic	1
Antienterotic	1
Antiepileptic	5
Antiescherichic	3
Antiestrogenic	5
Antifatigue	6



<b>Activity</b>	<b>Chemical Count</b>
Antifeedant	9
Antifertility	4
Antifibrinolytic	3
Antifibromyalgic	2
Antifibrosarcomic	1
Antifibrotic	2
Antiflu	7
Antifumitory	1
Antifuruncular	1
Antigallstone	1
Antigastric	2
Antigastrisecretogogic	1
Antigastritic	3
Antigastrotic	1
Antigenotoxic	2
Antigingivitic	5
Antiglaucomic	2
Antiglossitic	3
Antigonadotrophic	2
Antigonadotropic	3

<b>Activity</b>	<b>Chemical Count</b>
Antigout	1
Antigranular	1
Antigrey	1
AntiGTF	2
Antihangover	4
Antiheartburn	1
Antihemolytic	2
Antihemorrhagic	2
Antihepatitic	2
Antihepatoadenomic	1
Antihepatotic	1
Antihepatotoxic	12
Antiherpetic	12
Antiherpetic?	1
Antihistaminic	7
Antihistoplasmotic	1
AntiHIV	9
Antihomocystinuric	1
Antihydrophobic	1
Antihyperactivity	1

<b>Activity</b>	<b>Chemical Count</b>
Antihyperammonemic	1
Antihypercholesterolemic	3
Antihyperkeratotic	1
Antihyperkinetic	2
Antihyperlipoproteinaemic	1
Antihypertensive	9
Antihyperthyroid	3
Antihypoglycemic	1
Antiichthyotic	1
Antiilus?	1
Antiimplantation	2
Antiimpotence	2
Antiinfarctal	1
Antiinfective	1
Antiinfertility	5
Antiinflammatory	25
Antiinsomniac	5
Antiinsomniac?	1
Antiinsomnic	1
Antiischemic	3

<b>Activity</b>	<b>Chemical Count</b>
Antikeratitic	1
Antikeratotic	1
AntiLegionella	2
Antileishmanic	4
Antileptic	2
Antileukemic	8
Antileukodermic	1
Antileukonychic	1
Antileukoplakic	1
Antileukotriene	3
Antileukotriene-D4	3
Antilipolytic	1
Antilipoperoxidant	2
Antilithic	4
Antilupus	1
AntiLyme	5
Antilymphocytic	1
Antilymphomic	2
Antimaculitic	4
Antimalarial	4

<b>Activity</b>	<b>Chemical Count</b>
Antimanic	2
Antimastalgic	1
Antimastitic	1
Antimeasles	1
Antimelanogenic	2
Antimelanomic	2
AntiMeniere's	1
Antimenopausal	4
Antimenorrhagic	2
Antimetaplastic	1
Antimetastatic	2
Antimigraine	5
Antimitotic	2
Antimitral-valve-prolapse	1
Antimorphinic	1
Antimorphinistic	1
AntiMRSA	1
AntiMS	3
Antimutagenic	16
Antimyelotoxic	2

<b>Activity</b>	<b>Chemical Count</b>
Antimyocarditic	2
Antineoplastic	1
Antinephritic	2
Antinephrolytic	1
Antineuralgic	3
Antineuramidase	1
Antineurasthenic	1
Antineuritic	1
Antineuropathic	5
Antineuropathic?	1
Antineurotic	1
Antinitrosaminic	6
Antinitrosating	1
Antinitrosic	1
Antinociceptive	5
Antinyctalopic	1
Antiobesity	4
Antiophidic	4
Antiorchitic	1
Antiosteoarthritic	3

<b>Activity</b>	<b>Chemical Count</b>
Antiosteoporotic	8
Antiototic	1
Antioxidant	38
Antioxidant Synergist	3
Antioxidant?	2
Antiozenic	1
Antipancreatic	1
Antipapillomic	1
Antiparasitic	1
Antiparkinsonian	7
Antiparotitic	1
Antipellagic	3
Antipeptic	1
Antiperiodontal	2
Antiperiodontic	2
Antiperiodontitic	5
Antiperistaltic	1
Antipermeability	1
Antiperoxidant	7
Antiperoxynitrite	1

<b>Activity</b>	<b>Chemical Count</b>
Antipharyngitic	1
Antiphenylketonuric	2
Antiphotophobic	2
Antipityriasic	1
Antiplateque	7
Antiplasmodial	4
AntiPMS	5
Antipneumonic	1
Antipodriac	2
Antipolio	3
Antipoliomyelitic	2
Antipolyneuritic	1
Antipolyp	1
Antiporphyrhic	1
Antipredatory	1
Antiprogestational	1
Antiprolactin	1
Antiproliferant	3
Antiprostaglandin	5
Antiprostanoid	1



<b>Activity</b>	<b>Chemical Count</b>
Antiprostatadenomic	1
Antiprostatitic	6
Antiprostatotic	1
Antiproteolytic	1
Antipruritic	1
Antipsoriac	3
Antipsychotic	3
Antipurpuric	1
Antipyretic	4
Antiradicular	15
AntiRaynaud's	3
Antirenitic	1
Antireserpine	1
Antiretardation	1
Antiretinopathic	1
Antiretinotic	2
Antirheumatic	6
Antirheumatitic?	1
Antirhinitic	1
Antisalmonella	2

<b>Activity</b>	<b>Chemical Count</b>
Antisclerodermic	1
Antiscoliotic	2
Antiscorbutic	1
Antiscotomic	1
Antiseborrheic	5
Antiseptic	15
Antiserotonin	2
Antishingles	1
Antisickling	2
Antispare-Tire	1
Antispasmodic	11
Antispasmophilic	1
AntiSpina-Bifida	2
Antisprue	1
Antistaphylococcic	5
Antistomatitic	2
Antistreptococcic	2
Antistress	4
Antistroke	3
Antisunburn	2

<b>Activity</b>	<b>Chemical Count</b>
Antisyndrome-X	4
Antithiamin	2
Antithrombic	2
Antithrombogenic	1
Antithromboxane	1
Antithyreotropic	1
Antithyroid	3
Antitic	1
Antitinnitic	1
AntiTNF	1
AntiTourette's	1
Antitriglyceride	1
Antitrypanosomic	1
Antitubercular	2
Antitumor	22
Antitumor (Bladder)	2
Antitumor (Breast)	3
Antitumor (Cervix)	1
Antitumor (CNS)	1
Antitumor (Colon)	4

<b>Activity</b>	<b>Chemical Count</b>
Antitumor (Forestomach)	2
Antitumor (Gastric)	1
Antitumor (Liver)	2
Antitumor (Lung)	5
Antitumor (Ovary)	1
Antitumor (Prostate)	2
Antitumor (Skin)	4
Antitumor (Stomach)	2
Antitumor-Promoter	8
Antitumor-Promoter?	1
Antitussive	2
Antiulcer	15
Antiulcerogenic	1
Antiuremic	1
Antiuricosuric	1
Antivaccinia	1
Antivertigo	1
Antiviral	19
Antiviral?	1
Antivitaligic	1

<b>Activity</b>	<b>Chemical Count</b>
Antiwrinkle	1
Antixerophthalmic	1
Antiyeast	1
Anxiolytic	6
Aphidifuge	1
Aphrodisiac	2
Apifuge	1
Apoptotic	8
Aromatase-Inhibitor	1
Artemicide	2
Arteriodilator	1
Asthma-preventive	1
Astringent	3
ATPase-Inhibitor	1
Autotoxic	1
Bacteristat	3
Beta-Adrenergic Receptor Blocker	1
Beta-Blocker	2
Beta-Glucuronidase-Inhibitor	1
Bradycardiac	1

<b>Activity</b>	<b>Chemical Count</b>
Bronchoconstrictor	1
Bronchodilator	1
Bruchiphobe	1
Calcium-Antagonist	8
Calcium-Channel-Blocker	1
Calmodulin-Antagonist	1
cAMP-Inhibitor	1
cAMP-Phosphodiesterase-Inhibitor	2
Cancer-Preventive	33
Candida-SAP-Inhibitor	1
Candidicide	6
Capillarifortificant	2
Capillarigenic	2
Capillariprotective	1
Carcinogenic	7
Carcinogenic?	1
Cardiac	1
Cardioparalytic	1
Cardioprotective	9
Cardiotonic	1

<b>Activity</b>	<b>Chemical Count</b>
Cardiotoxic	1
Cardiovascular	2
Carminative	1
Caspase-8-Inducer	1
Catabolic	1
Chelator	1
Chemopreventive	4
Cholagogue	3
Choleretic	11
Cholesterolytic	1
Cholinergic	2
Circulotonic	2
Clastogenic	2
CNS-Active	2
CNS-Depressant	3
CNS-Inhibitor	1
CNS-Stimulant	2
Co-carcinogenic	1
Coagulant	1
Cold-preventive	1

<b>Activity</b>	<b>Chemical Count</b>
Collagen-Sparing	2
Collagenic	2
Colorant	1
Comedogenic	1
Comedolytic	1
COMT-Inhibitor	1
Contraceptive	2
Copper-Antagonist	1
Copper-Chelator	2
Cosmetic	2
COX-1-Inhibitor	2
COX-2-Inhibitor	6
Cyclooxygenase-Activator	3
Cyclooxygenase-Inhibitor	6
Cytochrome-P450-1A2-Inhibitor	1
Cytochrome-P450-Inhibitor	1
Cytoprotective	1
Cytotoxic	10
Dehydrogenase-Inhibitor	1
Deiodinase-Inhibitor	2



<b>Activity</b>	<b>Chemical Count</b>
Deodorant	1
Depressant	1
Dermatitigenic	3
Detoxicant	3
Detoxicant (Alcohol)	1
Diaphoretic	1
Diaphoretic?	3
Differentiator	1
Disinfectant	1
Diuretic	14
DNA-Active	1
DNA-Protective	1
Dopaminigenic	1
Dye	2
Ectoparasiticide	1
Emetic	1
Enterorelaxant	1
Epinephrininergic	1
Ergogenic	1
Essential	8

<b>Activity</b>	<b>Chemical Count</b>
Estrogenic	5
Euphoriant	1
Febrifuge	1
Fibrinolytic	1
Fistula-Preventive	1
FLavor	8
Floral-Inhibitor	1
Fungicide	11
GABA-nergic	1
Gastroprotective	1
Glucosyl-Transferase-Inhibitor	3
Glutathionigenic	1
Gonadotrophic	2
Gram(+)-icide	1
Gram(-)-icide	1
Hematopoietic	2
Hemolytic	1
Hemopoietic	1
Hemostat	4
Hemostatic	1

<b>Activity</b>	<b>Chemical Count</b>
Hepatocarcinogenic	1
Hepatomagenic	1
Hepatoprotective	17
Hepatotonic	1
Hepatotoxic	1
Hepatotropic	2
Herbicide	3
Histamine-Inhibitor	2
HIV-RT-Inhibitor	3
Hydrocholerectic	1
Hypercholesterolemic	2
Hyperglycemic	2
Hypertensive	1
Hypnotic	2
Hypoammonemic	1
Hypoarginanemic	1
Hypocholesterolemic	18
Hypoglycemic	9
Hypolipemic	1
Hypolipidemic	3

<b>Activity</b>	<b>Chemical Count</b>
Hypotensive	12
Hypothermic	1
Hypouricemic	1
ICAM-1-Inhibitor	1
Immunomodulator	7
Immunostimulant	11
Immunosuppressant	3
iNOS-Inhibitor	2
Inotropic	2
Insecticide	3
Insectifuge	8
Insectiphile	1
Insulin-Sparing	1
Insulinase-Inhibitor	1
Insulinogenic	3
Insulinotonic	1
Interferon-Synergist	1
Interferonogenic	2
Iodothyronine-Deiodinase-Inhibitor	1
Irritant	4

<b>Activity</b>	<b>Chemical Count</b>
JNK-Inhibitor	1
Juvabional	5
Keratolytic	2
Larvicide	1
Larvostat	2
Laxative	4
Laxative?	2
Leptogenic	1
Leukotriene-Inhibitor	2
Lipotropic	3
Lipoxygenase-Inhibitor	6
Lithogenic	1
Litholytic	2
Lubricant	3
Lyase-Inhibitor	1
MAO-A-Inhibitor	2
MAO-Inhibitor	3
Mast-Cell-Stabilizer	1
Metal-Chelator	3
Metal-Chelator (Copper)	2

<b>Activity</b>	<b>Chemical Count</b>
Metalloproteinase-Inhibitor	1
Metastatic	1
MMP-9-Inhibitor	1
Monoamine-Precursor	3
Motor-Depressant	1
Mucogenic	2
Mucolytic	1
Mutagenic	2
Mycobactericide	2
Myorelaxant	3
Myostimulant	2
NADH-Oxidase-Inhibitor	1
Natriuretic	2
Nematicide	4
Nematistat	1
NEP-Inhibitor	1
Nephrotoxic	1
Neuroexcitant	1
Neurogenic	1
Neuroinhibitor	1

<b>Activity</b>	<b>Chemical Count</b>
Neuroparalytic	1
Neuroprotective	3
Neurotoxic	3
Neurotransmitter	2
NF-kB-Inhibitor	2
NO-Genic	2
NO-Inhibitor	4
NO-Synthase-Inhibitor	1
Odontolytic	1
Ornithine-Decarboxylase-Inhibitor	5
Osteogenic	1
Oviposition-Stimulant	1
Ovulant	1
Oxidant	2
Oxytotic	1
P450-Inducer	1
P450-Inhibitor	1
PAF-Inhibitor	1
Paralytic	1
Paramecicide	1

<b>Activity</b>	<b>Chemical Count</b>
Parasiticide	1
Percutaneostimulant	2
Perfumery	4
Pesticide	29
PGE2-Inhibitor	1
Phagocytotic	3
Pheromone	1
Phospholipase-A2-Inhibitor	1
Phospholipase-Inhibitor	1
Pigment	1
Pituitary-Stimulant	1
PKC-Inhibitor	1
Plasmodicide	1
Preservative	1
Progesteronigenic	1
Prolactinogenic	1
Proliferant	1
Prooxidant	4
Propepic	4
Prostaglandigenic	3



<b>Activity</b>	<b>Chemical Count</b>
Prostaglandin-Synthesis-Inhibitor	6
Protein-Kinase-C-Inhibitor	1
Protisticide	2
Psychotropic	1
PTK-Inhibitor	1
Quinone-Reductase-Inducer	4
Refrigerant	1
Roborant	1
Scabicide	1
Schizophrenigenic	1
Sedative	7
Serotoninerpic	4
Sialogogue	1
Soap	2
Spermicide	1
Spermigenic	2
Sternutatory	1
Styptic	1
Succinic-Dehydrogenase-Inhibitor	1
Sudorific	1

<b>Activity</b>	<b>Chemical Count</b>
Sunscreen	4
Suppository	1
Sweetener	2
Teratogenic	1
Teratologic	2
Termiticide	1
Testosteronigenic	1
Thymoprotective	1
Thyrotropic	1
Tissue-Thromboplastin-Inhibitor	2
TNF-alpha-Inhibitor	2
Topoisomerase-I-Antagonist	1
Topoisomerase-I-Inhibitor	3
Topoisomerase-II-Inhibitor	3
Tranquilizer	3
Tremorigenic	1
Trichomonicide	2
Trichomonistat	1
Trypsin-Enhancer	1
Tumor-Promoter	1

<b>Activity</b>	<b>Chemical Count</b>
Tumorigenic	2
Tyrosinase-Inhibitor	3
Tyrosine-Kinase-Inhibitor	1
Ubiquiot	4
Ulcerogenic	3
Uricosuric	5
Urinary-Acidulant	1
Urine-Acidifier	1
Urine-Deodorant	1
Uteroactive	1
Uterorelaxant	1
Uterosedative	1
Uterotrophic	1
Varroacide	1
Vasoactive	1
Vasoconstrictor	1
Vasodilator	11
Vasopressor	1
VEGF-Inhibitor	1
Vermifuge	1

<b>Activity</b>	<b>Chemical Count</b>
Vesicant	1
Vulnerary	5
Xanthine-Oxidase-Inhibitor	8