

Biological Activities of Lycium Barbarum L. (Goji)

The following is a compilation of scientific research into the biological activities of *Lycium Barbarum L. (Goji)* conducted by Dr. James A. Duke. Dr. Duke is the world renowned ethnobotanist who spent 30 years with the USDA, has written 29 books and maintains the world's most complete database of biological activities of foods and herbs. (www.ars-grin.gov/duke)

Source: USDA, ARS, National Genetic Resources Program. Phytochemical and Ethnobotanical Databases (Online Database). National Germplasm Resources Laboratory, Beltsville, Maryland. 14 Sept. 2003.

The number in () indicates how many separate chemicals this species has for that activity, for example, Analgesic (3) would indicate this species has three separate chemicals that have Analgesic activity.

1 Abortifacient (1)	52 Antiinfertility (1)	103 Cholinergic (1)	154 Vasodilator (1)
2 Aldose-Reductase-Inhb (2)	53 Antiinflammatory (2)	104 Colorant (3)	155 Vasomotor-Stimulant (1)
3 Allelochemic (1)	54 Antiinsomniac (1)	105 Cytotoxic (1)	156 Vermifuge (1)
4 Allergenic (2)	55 Antilethargic (1)	106 Dermatitigenic (1)	157 Vitamin-A-Activity (1)
5 Analeptic (1)	56 Antileukoplakic (1)	107 Diuretic (3)	
6 Analgesic (1)	57 Antileukotrienogenic (1)	108 Emmenagogue (1)	
7 Androgenic? (1)	58 Antilithic (1)	109 Ethanolytic (1)	
8 Anesthetic (2)	59 Antilupus (1)	110 FLavor (1)	
9 AntiPMS (1)	60 Antimanic (1)	111 Fungicide (2)	
10 Antiacne (1)	61 Antimastitic (1)	112 Hepatoprotective (5)	
11 Antiadrenergic (1)	62 Antimorphinic (1)	113 Herbicide (2)	
12 Antiaflatoxin (1)	63 Antimutagenic (4)	114 Hypoammonemic (1)	
13 Antiaging (1)	64 Antimyotrophic (1)	115 Hypocholesterolemic (1)	
14 Antialkali? (1)	65 Antioxidant (4)	116 Hypoglycemic (1)	
15 Antialzheimeran (1)	66 Antioxidant? (1)	117 Hypotensive (3)	
16 Antiarrhythmic (1)	67 Antiozenic (1)	118 Ileorelaxant (1)	
17 Antiasthmatic (3)	68 Antiphotophobic (1)	119 Immunostimulant (1)	
18 Antibacterial (2)	69 Antipityriasic (1)	120 Insecticide (1)	
19 Antibronchoconstrictor (1)	70 Antiporphyrin (1)	121 Insectifuge (1)	
20 Anticancer (1)	71 Antiproliferant (1)	122 Interferon-Synergist (1)	
21 Anticancer (Breast) (1)	72 Antiprostaglandin (1)	123 Laxative (1)	
22 Anticarcinomic (1)	73 Antiprostatic (1)	124 Lipotropic (2)	
23 Anticephalagic (1)	74 Antipsoriac (1)	125 Lipoxigenase-Inhibitor (1)	
24 Anticerebrotic (1)	75 Antiradicular (1)	126 MAO-Inhibitor (1)	
25 Anticholinergic (1)	76 Antiretardation (1)	127 Memorigenic (1)	
26 Antichoreic (2)	77 Antiseptic (1)	128 Mucogenic (1)	
27 Anticirrhotic (1)	78 Antispasmodic (2)	129 Musculotropic (1)	
28 Anticonvulsant (1)	79 Antistress (2)	130 Myorelaxant (1)	
29 Anticorneitic (1)	80 Antitinnitic (1)	131 NO-Genic (1)	
30 Anticoronary (1)	81 Antitumor (2)	132 Neuroexcitant (1)	
31 Anticystinuric (1)	82 Antitumor (Breast) (1)	133 Neuroinhibitor (1)	
32 Antidementia (1)	83 Antitussive (1)	134 Neurotoxic (2)	
33 Antidiabetic (1)	84 Antiulcer (1)	135 Neurotransmitter (1)	
34 Antidiabetic? (1)	85 Antixerophthalmic (1)	136 Oxidant (1)	
35 Antidote (1)	86 Anxiolytic (2)	137 Parasympathomimetic (1)	
36 Antidyskinetic (1)	87 Aphrodisiac (1)	138 Pesticide (5)	
37 Antiedemic (1)	88 Bronchorelaxant (1)	139 Phagocytotic (1)	
38 Antiencephalopathic (1)	89 Bronchosedative (1)	140 Phytoalexin (1)	
39 Antiepileptic (1)	90 Bruchifuge (1)	141 Phytohormonal (1)	
40 Antifeedant (1)	91 Bruchiphobe (1)	142 Pituitary-Stimulant (1)	
41 Antigastritic (1)	92 CNS-Depressant (1)	143 Prooxidant (1)	
42 Antihemolytic (1)	93 CNS-Inhibitor (1)	144 Quinone-Reductase-Inducer (1)	
43 Antihepatitic (1)	94 CNS-Stimulant (1)	145 Respirastimulant (1)	
44 Antihepatotoxic (1)	95 Cancer-Preventive (6)	146 Roborant (1)	
45 Antihomocysteine (1)	96 Cardiac (1)	147 Rodenticide (1)	
46 Antihomocystinuric (1)	97 Cardiodepressant (1)	148 Sedative (1)	
47 Antihyperammonemic (1)	98 Cardioprotective (1)	149 Spermigenic (1)	
48 Antihyperkeratotic (1)	99 Cardiovascular (1)	150 Thymoprotective (1)	
49 Antihypertensive (2)	100 Cerebrotonic (1)	151 Tranquilizer (1)	
50 Antiichthyotic (1)	101 Cholagogue (1)	152 Ubiquit (1)	
51 Antiimpotence (1)	102 Choloretic (2)	153 Uterosedative (1)	