

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Eucommia ulmoides*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Bark		14.0	0.11267574386446289	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	ULMOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ULMOPRENOL	Bark				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TRANS-COUMNARINIC-ACID	Leaf				--
8	STEARIC-ACID	Seed Oil		25000.0	-0.73603446476433	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Bark		2820.0	3.4734274213056127	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	RESIN	Bark		70000.0	0.15391940427370196	Chemical Constituents of Oriental Herbs (3 diff. books)
176	QUERCETIN	Leaf				--
23	PYROGALLOL	Leaf				--
43	PROTocatechuic-ACID	Leaf				--
14	POTASSIUM	Bark		6170.0	0.036404973154950476	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	PINORESINOL-DIGLUCOSIDE	Stem Bark				--
13	PALMITIC-ACID	Seed Oil		47000.0	-0.8966516064658467	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	OLIVIL-4',4'-DI-O-BETA-D-GLUCOPYRANOSIDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Seed Oil	160000.0	180000.0	-0.7376872112150977	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	MERCURY	Bark		0.92	-0.5556167469042421	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
14	MANGANESE	Bark		135.0	0.22661565826595526	--
65	MAGNESIUM	Bark		2080.0	0.2250420830846215	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	LINOLENIC-ACID	Seed Oil	640000.0	680000.0	1.387135718548637	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
27	LINOLEIC-ACID	Seed Oil		100000.0	-1.144803726847395	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Bark		300.0	0.44353162435876187	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	GUTTA-PERCHA	Bark	20000.0	65000.0		Chemical Constituents of Oriental Herbs (3 diff. books)
10	GENIPOSIDIC-ACID	Leaf				--
10	GENIPOSIDE	Leaf				--
0	FAT	Fruit		270000.0	1.4209861922674902	Foster, S. and Yue, C-G. 1992. Herbal Emissaries-Bringing Chinese Herbs to the West. Healing Arts Press, Rochester VT. 356 pp.
0	EUCOMMIOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
3	EUCOMMIN-A	Bark				--
3	EUCOMMIN-A	Plant				--

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3	DEACETYLASPERULOSIDI C-ACID	Leaf				--
12	COPPER	Bark		5.0	-1.1358602781278038	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
77	CHLOROGENIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Bark		10200.0	-0.8097922929982918	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
22	BETULINIC-ACID	Bark				Jim Duke's personal files.
13	BETULIN	Bark				Jim Duke's personal files.
20	AUCUBIN	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	AUCOBOSIDE	Leaf				Perry, Lily M. 1980. Medicinal Plants of East and Southeast Asia. MIT Press. Cambridge, Massachusetts. 620 pp.
0	ASPERUOSIDIC-ACID	Leaf				--
9	ASPERULOSIDE	Leaf				--
2	ARSENIC	Bark		0.24	1.4142135623730951	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
0	(-)-OLIVIL-4',4'-DI-O-BETA-D-GLUCOPYRANOSIDE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	(+)-SYRINGARESINOL-O-BETA-D-GLUCOSIDE	Bark				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

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0	(+)-MEDIORESINOL-DI-O-BETA-D-GLUCOPYRANOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
2	(+)-EPIPINOESINOL	Bark				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	(+)-1-HYDROXPINOESINOL-4.4'-GLUCOPYRANOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.