

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ligustrum lucidum

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ARSENIC	Fruit		0.6	0.23199328320775964	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.
47	BETA-SITOSTEROL	Fruit				--
28	CALCIUM	Fruit		3040.0	-0.18836655613377604	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.
12	COPPER	Fruit		12.0	-0.06373869485264942	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.
4	COSMOSIIN	Leaf				--
5	CYANIN	Fruit				--
3	CYNAROSIDE	Leaf				--
6	ETHYL-ACETATE	Fruit Essent. Oil		189500.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
8	FRUCTOSE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
7	GLUCOSE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
6	IRON	Fruit		120.0	-0.051480525146559	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.
27	LINOLEIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Fruit		1020.0	-0.5138726333589669	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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	MANGANESE	Fruit		26.0	-0.23209688164812706	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.
64	OLEANOLIC-ACID	Plant				--
64	OLEANOLIC-ACID	Leaf				--
64	OLEANOLIC-ACID	Seed				--
64	OLEANOLIC-ACID	Fruit	0.7	80400.0	1.0	--
18	OLEIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
9	OLEUROPEIN	Plant				--
9	OLEUROPEIN	Fruit				--
13	PALMITIC-ACID	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
14	POTASSIUM	Fruit		16800.0	-0.09878143440473125	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.
176	QUERCETIN	Fruit				--
87	RUTIN	Leaf				--
1	SODIUM	Fruit		54.0	-0.17883002710316093	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	TYROSOL	Pericarp				--
1	TYROSOL	Seed				--
89	URSOLIC-ACID	Fruit		0.3	-1.0690174765081477	--
89	URSOLIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
77	ZINC	Fruit		24.0	-0.1895875891620866	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.