

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Ligustrum lucidum

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ARSENIC	Fruit	0.6	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	3040	-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	12	-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		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	120	-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	1020	-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.
14	MANGANESE	Fruit	26	26	-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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
64	OLEANOLIC-ACID	Seed	--	--		
64	OLEANOLIC-ACID	Leaf	--	--		
64	OLEANOLIC-ACID	Fruit	0.7	80400	1	
64	OLEANOLIC-ACID	Plant	--	--		
18	OLEIC-ACID	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
9	OLEUROPEIN	Fruit	--	--		
9	OLEUROPEIN	Plant	--	--		
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	16800	-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	54	-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	Plant	--	--		
89	URSOLIC-ACID	Fruit	--	0.3	-1.0690174765081477	
77	ZINC	Fruit	24	24	-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.