

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Ligustrum lucidum*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-TAXIFOLIN	Fruit				--
0	(DL)-ERIODICTYOL	Fruit				--
0	(Z)-1-(1-ETHOXY-ETHOXY)-3-HEXENE	Fruit Essent. Oil		18900.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	1,2-DIPHENYL-1,2-ETHANEDIOL	Fruit Essent. Oil		39200.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	1-METHYL-1-PROPYL-HYDRAZINE	Fruit Essent. Oil		26000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	1-PHENYL-1,2-BUTANEDIOL	Fruit Essent. Oil		41200.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	10-HYDROXY-LIGUSTROSIDE	Fruit				--
0	10-HYDROXYOLEUROPEIN	Fruit				--
0	2-ALPHA-HYDROXY-3-BETA-(4-HYDROXY-TRANS-CINNAMOYL-OXY)-OLEANOLIC-ACID	Plant				--
0	3-4-DIHYDROXY-PHENETHYL-ALCOHOL	Fruit				--
0	4-ACETYLOXY-2-BUTANONE	Fruit Essent. Oil		54600.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	4-HYDROXY-BETA-PHENYLETHYL-BETA-D-GLUCOSIDE	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ACETYL-OLEANOLIC-ACID	Fruit				--
0	ACETYLURSOLIC-ACID	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-ALPHA-4-TRIMETHYL-3-CYCLOHEXEN-METHANOL	Fruit Essent. Oil		32400.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ALPHA-BUTYLBENZENE-METHANOL	Fruit Essent. Oil		56000.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	ALPHA-MANNITOL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	APIGETRIN	Leaf				--
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.
0	CHRYSANTHEMIN	Fruit				--
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				--
0	CYANIDIN-3-O-BETA-D-RUTINOSIDE	Fruit				--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Fruit	100000.0	150000.0	0.5044358446794145	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)
0	HYDRAZINE-METHYL-OXALATE	Fruit Essent. Oil		35200.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
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.
0	ISORHOIFOLIN	Leaf				--
0	LIGUSTALOSIDES	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	LIGUSTRIN	Seed				--
0	LIGUSTROSIDE	Fruit				--
0	LIGUSTROSIDIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	LIGUSTROSIDIC-ACID	Fruit				--
27	LINOLEIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	LINOLENIC-ACID	Fruit				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
0	LUTEOLIN-4'-O-BETA-D-GLUCOSIDE	Leaf				--
0	LUTEOLIN-7-O-BETA-D-RUTINOSIDE	Leaf				--
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
0	MALVIDIN-3-O-BETA-D-RUTINOSYL-5-O-BETA-D-GLUCOSIDE	Fruit				--
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.
0	NEO-NUEZHINIDE	Fruit				--
0	NEUZHENGALASIDE	Fruit		4.0		--
0	NUEZHENIDE	Fruit				--
0	NUZHEINIDE	Fruit				--
0	NUZHENIDE	Fruit				--
0	NUZHENIDIC-ACID	Plant				--
64	OLEANOLIC-ACID	Plant				--
64	OLEANOLIC-ACID	Leaf				--
64	OLEANOLIC-ACID	Fruit	0.7	80400.0	1.0	--
64	OLEANOLIC-ACID	Seed				--
18	OLEIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
9	OLEUROPEIN	Plant				--
9	OLEUROPEIN	Fruit				--
0	OLEUROPEINIC-ACID	Fruit				--
0	P-HYDROXY-PHENETHYL-ALCOHOL	Fruit				--
0	P-HYDROXY-PHENYLETHANOL	Leaf				--
0	P-HYDROXYPHENETHYL-BETA-D-GLUCOSIDE	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.
0	POLYSACCHARIDE	Seed				--
0	POLYSACCHARIDE	Pericarp				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	SPECNUEZHENIDE	Fruit		10.0		--
0	THIOKETONE	Fruit Essent. Oil		85600.0		Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
1	TYROSOL	Seed				--
1	TYROSOL	Pericarp				--
89	URSOLIC-ACID	Plant				--
89	URSOLIC-ACID	Fruit		0.3	-1.0690174765081477	--
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.