

**Dr. Duke's Phytochemical and Ethnobotanical Database**

**Chemicals Found in Ligustrum japonicum**

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	10-HYDROXYOLEUROPEIN	Leaf	--	--		
0	2-(4-HYDROXYPHENYL)-ETHYL-BETA-D-GLUCOSIDE	Plant	--	--		
0	2-METHYL-3-BUTENE-2-OL-2-O-BETA-APIOFURANOSYL-(1...	Bark	--	--		
0	3,4-DIHYDROXY-BETA-PHENYLEHTYL-BETA-D-GLUCOPYRANOSIDE	Plant	--	--		
0	4-HYDROXY-BETA-PHENYLETHYL-BETA-D-GLUCOPYRANOSIDE	Bark	--	--		
0	ACETYL-OLEANOLIC-ACID	Fruit	--	--		
10	ALPHA-AMYRIN	Flower	--	--		
1	ALPHA-MANNITE	Fruit	--	--		
0	ALPHA-MANNITOL	Fruit	--	--		
2	ARSENIC	Fruit	0.6	0.6	0.23199328320775964	
24	BENZALDEHYDE	Flower	--	--		
20	BENZOIC-ACID	Flower	--	--		
9	BENZYL-ALCOHOL	Flower	--	--		
9	BETA-AMYRIN	Flower	--	--		
102	CAFFEIC-ACID	Flower	--	--		
28	CALCIUM	Fruit	3040	3040	-0.18836655613377604	
0	CIS-3-HEXEN-1-OL	Flower	--	--		
12	COPPER	Fruit	12	12	-0.06373869485264942	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	D-PINORESINOL-BETA-D-GLUCOPYRANOSIDE	Bark	--	--		
0	D-SYRINGARESINOL-BIS-BETA-D-GLUCOPYRANOSIDE	Bark	--	--		
76	EUGENOL	Flower	--	--		
0	FAT	Seed	149000	149000	-0.6130550748129857	
61	FERULIC-ACID	Flower	--	--		
8	FRUCTOSE	Fruit	--	--		
7	GLUCOSE	Fruit	--	--		
18	GUAIACOL	Flower	--	--		
6	IRON	Fruit	120	120	-0.051480525146559	
75	KAEMPFEROL	Flower	--	--		
0	L-OLIVIL-BETA-D-GLUCOPYRANOSIDE	Bark	--	--		
0	LIGUSTALOSIDE-A	Leaf	--	--		
0	LIGUSTALOSIDE-B	Leaf	--	--		
0	LIGUSTROSIDE	Bark	--	--		
0	LIGUSTROSIDE	Leaf	--	--		
0	LINALOL	Flower	--	--		
27	LINOLEIC-ACID	Fruit	--	--		
21	LUPEOL	Seed	--	--		
8	M-CRESOL	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
65	MAGNESIUM	Fruit	1020	1020	-0.5138726333589669	
14	MANGANESE	Fruit	26	26	-0.23209688164812706	
18	MANNITOL	Leaf	--	--		
0	N-DOCOSANE	Flower	--	--		
0	N-DOCOSANOL	Flower	--	--		
0	N-DOTRIACONTANE	Flower	--	--		
0	N-EICOSANOL	Flower	--	--		
0	N-HENEICOSANE	Flower	--	--		
0	N-HENEICOSANOL	Flower	--	--		
3	N-HENTRIACONTANE	Flower	--	--		
0	N-HEPTACOSANE	Flower	--	--		
0	N-HEPTACOSANOL	Flower	--	--		
2	N-HEXACOSANE	Flower	--	--		
0	N-HEXACOSANOL	Flower	--	--		
1	N-NONACOSANE	Flower	--	--		
0	N-NONADECANOL	Flower	--	--		
0	N-OCTACOSANE	Flower	--	--		
0	N-OCTACOSANOL	Flower	--	--		
0	N-OCTADECANOL	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	N-PENTACOSANE	Flower	--	--		
0	N-PENTACOSANOL	Flower	--	--		
0	N-TETRACOSANE	Flower	--	--		
0	N-TETRACOSANOL	Flower	--	--		
0	N-TRIACONTANE	Flower	--	--		
0	N-TRICOSANE	Flower	--	--		
0	N-TRICOSANOL	Flower	--	--		
0	N-TRITRIACONTANE	Flower	--	--		
0	NONACOSANOL	Seed	--	--		
0	NUZHNIIDE	Plant	--	--		
6	O-CRESOL	Flower	--	--		
64	OLEANOLIC-ACID	Fruit	--	--		
18	OLEIC-ACID	Fruit	--	--		
9	OLEUROPEIN	Bark	--	--		
9	OLEUROPEIN	Fruit	--	--		
9	OLEUROPEIN	Leaf	--	--		
25	P-COUMARIC-ACID	Leaf	--	--		
8	P-CRESOL	Flower	--	--		
0	P-HYDROXY-BETA-PHENYLETHYL-ALCOHOL	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	P-HYDROXYCINNAMIC-ACID	Fruit	--	--		
13	PALMITIC-ACID	Seed	--	--		
6	PHENETHYL-ALCOHOL	Flower	--	--		
26	PHENOL	Flower Essent. Oil	--	--		
2	PHENYLACETIC-ACID	Flower	--	--		
1	PHILLYRIN	Leaf	--	--		
14	POTASSIUM	Fruit	16800	16800	-0.09878143440473125	
176	QUERCETIN	Flower	--	--		
0	REDUCING-SUGARS	Seed	155000	155000		
0	SFA	Seed	29055	29055	-0.2929521958877326	
1	SODIUM	Fruit	54	54	-0.17883002710316093	
8	STEARIC-ACID	Seed	--	--		
0	SYRINGENIN	Leaf	--	--		
0	SYRINGENIN	Bark	--	--		
9	SYRINGIN	Bark	--	--		
9	SYRINGIN	Leaf	--	--		
0	UFA	Seed	119945	119945	-1.274033279838089	
89	URSOLIC-ACID	Fruit	--	--		
77	ZINC	Fruit	24	24	-0.1895875891620866	