

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

**Chemicals Found in Sophora japonica**

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-MEDICARPIN	Plant	--	--		
0	(D,L)-MAACKIAIN	Root	--	--		
0	5,7,4'-TRIHYDROXY-ISOFLAVONE-4'-BETA-NEOHESPERIDOSIDE	Fruit	--	--		
0	5,7-DIHYDROXY-3',4'-METHYLENEDIOXYISOFLAVONE	Root	--	--		
0	AMHYDROPISATIN	Root	--	--		
112	ASCORBIC-ACID	Leaf	470	470	-0.4003100860032428	
0	ASH	Seed	39000	39000	-0.26709277199518927	
47	BETA-SITOSTEROL	Plant	--	--		
13	BETULIN	Flower	--	--		
32	BIOCHANIN-A	Plant	--	--		
0	BIOCHANIN-A-7-(BETA-D-XYLOSYL{1-6}-BETA-D-GLUCOSIDE)	Wood	--	--		
0	BIOCHANIN-A-7-BETA-D-GENTIOBIOSIDE	Wood	--	--		
102	CAFFEIC-ACID	Plant	--	--		
28	CALCIUM	Seed	2649	2649	-0.27501282818551565	
0	CARBOHYDRATES	Seed	668000	668000	0.5746605245665346	
10	CYTISINE	Seed	--	--		
0	D-MAACKIAIN	Root	--	--		
0	FAT	Seed	69000	121000	-0.7605410903903489	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
61	FERULIC-ACID	Plant	--	--		
15	FIBER	Seed	99000	99000	-0.2825156947289888	
0	GALACTOMANNAN	Seed	--	--		
81	GENISTEIN	Plant	--	--		
0	GENISTEIN-4'-O-GLUCOSIDE	Fruit	--	--		
0	GENISTEIN-4'-O-NEOHESPERIDOSIDE	Fruit	--	--		
0	IRISOLIDINE	Wood	--	--		
0	IRISOLIDINE-7-O-GLUCOSIDE	Plant	--	--		
75	KAEMPFEROL	Plant	--	--		
0	KAEMPFEROL-C-GLYCOSIDE	Plant	--	--		
1	L-MAACKIAIN	Root	--	--		
27	LINOLEIC-ACID	Seed	36570	64130	-0.36836140891467545	
0	LINOLENIC-ACID	Seed	8280	14520	-0.326378934533903	
2	MAACKIAIN	Root	--	--		
21	MATRINE	Seed	--	--		
0	N-METHYL-CYTISINE	Seed	--	--		
0	NEOHESPERIDOSE	Fruit	--	--		
18	OLEIC-ACID	Seed	15385	26980	-0.7573087701987736	
25	P-COUMARIC-ACID	Plant	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Seed	2723	2723	-0.6950946174838608	
14	POTASSIUM	Seed	10660	10660	-0.16797692091799815	
1	PRATENSEIN	Wood	--	--		
0	PROTEIN	Leaf	182000	182000	-0.2977332046453177	
0	PROTEIN	Seed	172000	230000	-0.033767986527019435	
0	PTEROCARPANE	Root	--	--		
176	QUERCETIN	Plant	--	--		
0	QUERCETRIN	Plant	--	--		
87	RUTIN	Leaf	--	40000	1.4787448772804912	
87	RUTIN	Bud	176000	229000		
87	RUTIN	Flower	128000	140000	1.420796655532866	
87	RUTIN	Fruit	--	25000	2.1904049980260094	
9	SINAPIC-ACID	Plant	--	--		
0	SISSOTRIN	Wood	--	--		
0	SOPHAROL	Plant	--	--		
0	SOPHOCARNINE	Seed	--	--		
2	SOPHOCARPINE	Plant	--	--		
0	SOPHOJAPONICIN	Root	--	--		
0	SOPHORABIOSE	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	SOPHORABIOSIDE	Fruit	800	800		
0	SOPHORADIOL	Flower	--	--		
0	SOPHORAFLAVONOLOSIDE	Fruit	6000	6000		
3	SOPHORICOSIDE	Fruit	20000	20000		
0	SOPHORIN	Fruit	--	--		
0	STIZOLAMINE	Seed	--	--		