

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

**Chemicals found in *Catalpa ovata***

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-HYDROXY-2-METHYL-ANTHRAQUINONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	3,8-DIHYDROXYDEHYDRO-ISO-ALPHA-LAPACHONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	4,9-DIHYDROXY-ALPHA-LAPACHONE	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
0	4,9-DIHYDROXY-ALPHA-LAPACHONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	4-HYDROXY-ALPHA-LAPACHONE	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
0	4-HYDROXY-ALPHA-LAPACHONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	5,6-DIHYDROXY-7,4'-DIMETHOXYFLAVONE-6-O-BETA-D-GLUCOSIDE	Plant				--
0	5,6-DIHYDROXY-7,4'-DIMETHOXYFLAVONE-6-O-BETA-SOPHOROSIDE	Plant				--
0	8-HYDROXY-2-ISOPROPENYLFURANONA PHTHOQUINONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	8-HYDROXYDEHYDRO-ISO-ALPHA-LAPACHONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	9-HYDROXY-ALPHA-LAPACHONE	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
0	9-HYDROXY-ALPHA-LAPACHONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	9-METHOXY-ALPHA-LAPACHONE	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
0	9-METHOXY-ALPHA-LAPACHONE	Plant				--
0	ALPHA-DIHYDROCARYOPTERONE	Wood				--
1	ALPHA-LAPACHONE	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
1	ALPHA-LAPACHONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	B-SITOSTEROL	Seed				--
28	CALCIUM	Fruit		2890.0	-0.22298061212101208	--
0	CATALPALACTONE	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CATALPIN	Fruit				--
0	CATALPINOSIDE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CATALPONOL	Wood				--
5	CATALPOSIDE	Fruit				--
0	CEROTIC-ACID	Wood				--
23	CITRIC-ACID	Fruit				--
0	DES-P-HYDROXYBENZOYL-CATALPOSIDE	Fruit				--
61	FERULIC-ACID	Wood				--
7	GLUCOSE	Wood				--
6	IRON	Fruit		140.0	0.02785408445751631	--
4	ISOFERULIC-ACID	Root Bark				--
65	MAGNESIUM	Fruit		1960.0	-0.07859801956759165	--
14	MANGANESE	Fruit		14.0	-0.31122331625148486	--
3	MANNOSE	Wood				--
0	MENAQUINONE-1	Tissue Culture				Chemical Constituents of Oriental Herbs (3 diff. books)
0	OCTADECA-TRANS-9,TRANS-11,CIS-13-TRIENIC-ACID	Seed Oil		415.0		--
25	P-COUMARIC-ACID	Fruit				--
13	P-HYDROXY-BENZOIC-ACID	Fruit				--
0	P-OXYBENZOIC-ACID	Leaf		20000.0		--
14	POTASSIUM	Fruit		13000.0	-0.43498120987361716	--
0	RHAMNOSE	Wood				--
1	SODIUM	Fruit		24.0	-0.1816748934108264	--
6	SYRINGIC-ACID	Wood				--
24	VANILLIC-ACID	Wood				--
28	VANILLIN	Wood				--
3	XYLOSE	Wood				--
77	ZINC	Fruit		21.0	-0.27984522139310664	--