

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Melia azedarach*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	24-METHYLENE-CYCLOARTANOL	Root	--	--		
16	ACETIC-ACID	Fruit	--	--		
23	ALPHA-TERPINEOL	Wood	--	--		
14	ARGININE	Seed	--	--		
3	AROMADENDRENE	Wood	--	--		
7	ASTRAGALIN	Flower	--	--		
20	BENZOIC-ACID	Root	--	--		
9	BENZYL-ACETATE	Wood	--	--		
47	BETA-SITOSTEROL	Root	--	--		
102	CAFFEIC-ACID	Plant	--	--		
28	CALCIUM	Leaf	25500	25500	0.4825858163119555	
28	CALCIUM	Seed	2310	2310	-0.3372728725480661	
1	CAPROIC-ACID	Fruit	--	--		
37	CARVACROL	Essential Oil	--	--		
43	CATECHIN	Plant	--	--		
3	CHAVICOL	Wood	--	--		
18	CINNAMIC-ACID	Fruit	--	--		
18	CINNAMIC-ACID	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	CINNAMIC-ACID	Root	--	--		
2	CITRONELLYL-ACETATE	Wood	--	--		
2	CREOSOL	Wood	--	--		
3	CYCLOEUCALENOL	Root	--	--		
3	CYCLOEUCALENOL	Fruit	--	--		
2	CYSTINE	Seed	--	--		
3	ELEMENE	Wood	--	--		
30	ESCULETIN	Leaf	--	--		
76	EUGENOL	Wood	--	--		
61	FERULIC-ACID	Plant	--	--		
15	FIBER	Seed	116000	116000	-0.1482807912686459	
2	FRAXINELLONE	Plant	--	--		
1	FURFURYL-ALCOHOL	Wood	--	--		
4	GEDUNIN	Plant	--	--		
5	GERANYL-ACETATE	Wood	--	--		
7	GLUCOSE	Fruit	--	--		
8	GLUTAMIC-ACID	Plant	--	--		
12	GLYCINE	Plant	--	--		
14	HYPERIN	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
75	KAEMPFEROL	Plant	--	--		
2	LEUCINE	Seed	--	--		
7	LINALYL-ACETATE	Wood	--	--		
4	LYSINE	Seed	--	--		
2	MELDENIN	Seed	--	--		
3	MELIANTRIOL	Plant	--	--		
15	METHIONINE	Seed	--	--		
10	NEROL	Wood	--	--		
6	NIMBIN	Plant	--	--		
6	NIMBININ	Seed	--	--		
13	PALMITIC-ACID	Seed	22800	22800	-0.22916306995346836	
4	PHOSPHORUS	Leaf	220	2300	-0.49151284599683054	
176	QUERCETIN	Plant	--	--		
44	QUERCITRIN	Leaf	--	--		
87	RUTIN	Leaf	--	--		
44	SCOPOLETIN	Leaf	--	--		
2	SENDANIN	Plant	--	--		
1	SERINE	Seed	--	--		
5	STARCH	Fruit	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	STEARIC-ACID	Seed	22800	22800	-0.07070746225830923	
1	STIGMAST-4-EN-3-ONE	Root	--	--		
35	TANNIN	Bark	180000	260000	1.0402320992514673	
4	THREONINE	Seed	--	--		
3	TRIACONTANOL	Fruit	--	--		
24	VANILLIC-ACID	Fruit	--	--		
24	VANILLIC-ACID	Root	--	--		
24	VANILLIC-ACID	Bark	--	--		
28	VANILLIN	Fruit	--	--		