

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Azadirachta indica*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	1-TIGLOYL-3-ACETYL-11-METHOXY-AZADIRACHTININ	Bark				--
0	17-BETA-HYDROXYAZADIRDIONE	Seed				--
0	17-EPIAZADIRADIONE	Seed				--
0	1ALPHA-METHOXY-1,2-DIHYDROAZADIRADIONE	Seed				--
0	1BETA,2BETA-DIEPOXY-AZADIRADIONE	Seed				--
0	22,23-DIHYDRO-23BETA-METHOXY-AZADIRACHTIN	Seed				--
0	3-ACETYL-7-TIGLOYL-LACTONE-VILASININ	Leaf				--
0	3-DESACETYL-3-CINNAMOYL-AZADIRACHTIN	Leaf				--
0	3-DESACETYL-SALANIN	Leaf				--
0	3-DESACETYLSALANNIN	Seed				--
0	3-TIGLOYLAZADIRACHLOL	Seed				--
0	4-EPINIMBIN	Seed				--
0	4ALPHA,6ALPHA-DIHYDROXY-A-HOMO-AZADIRADIONE	Leaf				--
0	6-ACETYL-NIMBANDIOL	Seed				--
0	6-DESACETYLNIMBINENE	Seed				--
0	6-DESACETYLNIMBINENE	Leaf				--
0	6-DESACETYLNIMBINENE	Bark				--
2	6-O-ACETYL-NIMBANDIOL	Plant				--
0	7-ACETYLNEOTRICHILENONE	Seed				--
0	7-DESACETYL-7-BENZOYL-AZADIRADIONE	Seed				--
0	7-DESACETYL-7-BENZOYLEPOXY-AZADIRADIONE	Seed				--
0	7-DESACETYL-7-HYDROXY-AZADIRADIONE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	7-DESACETYL-GEDUNIN	Seed				--
0	ARACHIDIC-ACID	Fruit		9360.0	1.3891147803586739	--
0	ASH	Leaf		112000.0	-0.12071840690882082	--
0	ASH	Fruit		39000.0	-0.4574092073357425	--
0	AZADIRACHTANIN	Leaf				--
0	AZADIRACHTANIN-A	Leaf				--
8	AZADIRACHTIN	Seed				--
0	AZADIRACHTOL	Fruit				--
2	AZADIRADIONE	Seed				--
1	AZADIRONE	Seed				--
1	BEHENIC-ACID	Fruit		2385.0		--
47	BETA-SITOSTEROL	Leaf				--
47	BETA-SITOSTEROL	Flower				--
28	CALCIUM	Leaf	16700.0	26500.0	0.5509134616992524	--
28	CALCIUM	Fruit	1381.0	3400.0	-0.10529282176440947	--
0	CARBOHYDRATES	Leaf		692000.0	0.6374047506069042	--
0	CARBOHYDRATES	Fruit		834000.0	0.2733559389170977	--
0	DESACETYLNIMBIN	Stem Bark				--
0	EO	Stem Bark		200.0	-1.0	--
0	EPOXYAZADIRADIONE	Seed				--
0	FAT	Seed		450000.0	0.9724195926436688	--
0	FAT	Fruit		42000.0	-0.32045946814985354	--
15	FIBER	Leaf		127000.0	-0.4270638916011892	--
4	GEDUNIN	Seed				--
30	HYPEROSIDE	Leaf				--
0	ISOAZADIROLIDE	Leaf				--
0	ISOMARGOSINOLIDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	ISONIMBINOCINOLIDE	Plant				--
1	ISONIMBINOLIDE	Stem Bark				--
0	ISONIMBOCINOLIDE	Leaf				--
0	ISONIMOLICINOLIDE	Fruit				--
75	KAEMPFEROL	Flower		2000.0	1.332774642908181	--
1	LIGNOCERIC-ACID	Fruit		1125.0	1.0	--
27	LINOLEIC-ACID	Fruit		47250.0	0.3112259523104981	--
65	MAGNESIUM	Leaf		7100.0	1.148461790245598	--
65	MAGNESIUM	Fruit		4000.0	0.8660405039796483	--
0	MARGODUNOLIDE	Plant				--
0	MARGOSINE	Stem Bark				--
0	MARGOSINOLIDE	Plant				--
2	MELDENIN	Seed				--
3	MELIANTRIOL	Seed				--
34	MYRICETIN	Flower		1000.0		--
6	MYRISTIC-ACID	Fruit		630.0	-0.23942294885205886	--
0	NIMBAFLAVONE	Leaf				--
2	NIMBANDIOL	Stem				--
2	NIMBANDIOL	Leaf				--
28	NIMBIDIN	Seed				--
28	NIMBIDIN	Stem Bark		4000.0		--
6	NIMBIN	Stem Bark		400.0		--
0	NIMBINENE	Leaf				--
0	NIMBINENE	Bark				--
0	NIMBINENE	Stem				--
6	NIMBININ	Stem Bark		10.0		--
0	NIMBINONE	Stem Bark				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	NIMBIOL	Bark				--
0	NIMBIONE	Stem Bark				--
0	NIMBOCINOLIDE	Plant				--
0	NIMBOCINOME	Plant				--
5	NIMBOLIDE	Leaf				--
0	NIMBOLIN-A	Wood				--
0	NIMBOLIN-B	Wood				--
0	NIMBOSTEROL	Stem Bark		300.0		--
2	NIMOCINOL	Fruit				--
0	NIMOLICINOIC-ACID	Fruit				--
0	NIMOLICINOL	Seed				--
0	NIMOLINONE	Fruit				--
2	NONACOSANE	Flower				--
18	OLEIC-ACID	Fruit		238050.0	1.3539859314921616	--
13	PALMITIC-ACID	Fruit	63000.0	71550.0	0.7483465722098749	--
4	PHOSPHORUS	Leaf	1900.0	2400.0	-0.47311414829736437	--
4	PHOSPHORUS	Fruit	2265.0	2400.0	-0.24785004305130007	--
0	PROTEIN	Leaf		154000.0	-0.5770602589639733	--
0	PROTEIN	Fruit		72000.0	-0.5026842346219537	--
176	QUERCETIN	Leaf				--
176	QUERCETIN	Flower		1000.0	0.9439875157035426	--
44	QUERCITRIN	Leaf				--
0	RESIN	Seed				--
87	RUTIN	Leaf				--
4	SALANNIN	Seed				--
0	SALANNOLIDE	Plant				--
44	SCOPOLETIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
8	STEARIC-ACID	Fruit	79650.0	81000.0	5.092538330435788	--
1	SUGIOL	Bark				--
14	SULFUR	Seed		1921.0	-0.3472066642061236	--
35	TANNIN	Stem Bark		60000.0	-0.4287334899984996	--
0	VEPININ	Seed				--
0	VILASANIN	Leaf				--