

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

**Chemicals Found in *Morinda citrifolia***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	ACETIC-ACID	Plant	--	0.02	-0.7153735267894865	
11	ALIZARIN	Plant	--	--		
11	ALIZARIN	Tissue Culture	--	--		
11	ALIZARIN	Bark	--	--		
11	ALIZARIN	Wood	--	--		
6	ANTHRAQUINONES	Root	4000	4000	-1.2032911231590375	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	ANTHRAQUINONES	Tissue Culture	--	2500		
112	ASCORBIC-ACID	Leaf	520	2320	-0.22865365983286717	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	ASPERULOSIDE	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	ASPERULOSIDE	Leaf	--	1580		
9	ASPERULOSIDE	Fruit	--	480		
2	ASPERULOSIDIC-ACID	Fruit	--	500		
20	BENZOIC-ACID	Fruit	--	8	-0.6617033802131775	
9	BENZYL-ALCOHOL	Fruit	--	0.02	-0.6964205015638791	
53	BETA-CAROTENE	Leaf	--	124	-0.5979257809111053	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	BETA-CAROTENE	Bark	--	8.6	-0.28393884038413764	
53	BETA-CAROTENE	Fruit	--	5.2	-0.14074912282020693	
47	BETA-SITOSTEROL	Leaf	--	--		
47	BETA-SITOSTEROL	Tissue Culture	--	454.5	-0.6956812763733191	
32	BIOCHANIN-A	Wood	--	--		
28	CALCIUM	Leaf	360	1600	-1.1504449084444381	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	CAPROIC-ACID	Fruit	--	--		
5	CAPRYLIC-ACID	Fruit	--	--		
3	DAMNACANTHAL	Tissue Culture	--	--		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
3	DAMNACANTHAL	Root	--	--		
3	DEACETYLASPERULOSIDIC-ACID	Fruit	--	33.3		
3	DECANOIC-ACID	Fruit	--	0.66	-0.7080135217999561	
2	ELAIDIC-ACID	Fruit	--	0.12		
1	ETHYL-PALMITATE	Fruit	--	0.02	-0.7248806618683252	
76	EUGENOL	Fruit	--	0.01	-0.7071070758144754	
15	FIBER	Leaf	40000	178570	0.21065829524697197	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	GENTISIC-ACID	Leaf	--	--		Griffiths, L. A. 1959. On the Distribution of Gentisic Acid in Green Plants. J. Exp. Biol. 10: 437.
7	GLUCOSE	Fruit	--	--		
2	HEXANOIC-ACID	Fruit	--	8	0.9999999999999999	
6	IRON	Leaf	23	100	-0.6671043883180953	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	LAURIC-ACID	Fruit	--	0.07	-0.44552314765590934	
60	LIMONENE	Fruit	--	0.17	-0.7501794290640288	
27	LINOLEIC-ACID	Fruit	--	0.02	-0.3553995878716523	
4	LUCIDIN	Tissue Culture	--	600		
2	MONOTROPEIN	Leaf	--	1580		
1	MORINDONE	Tissue Culture	--	145.5		
1	MORINDONE	Plant	--	--		
1	MORINDONE	Heart Wood	--	50		
6	MYRISTIC-ACID	Fruit	--	0.06	-0.2691408673141971	
39	NIACIN	Leaf	72	321	2.718552846487764	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	NONANOIC-ACID	Fruit	--	0.01	-0.741247510288	
1	NOR-DAMNACANTHAL	Tissue Culture	--	--		
1	NOR-DAMNACANTHAL	Root	17000	17000		
5	OCTANOIC-ACID	Fruit	--	25	1.7148561198407046	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Fruit	--	0.03	-0.4807449301448029	
13	PALMITIC-ACID	Fruit	--	0.21	-0.3655323408481512	
4	PARAFFIN	Fruit	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	PHOSPHORUS	Leaf	150	670	-0.7914116184981296	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	PHYSCION	Heart Wood	--	37.5		
15	RIBOFLAVIN	Leaf	0.9	4	-0.15911158075734227	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	RUBIADIN	Tissue Culture	--	127.3		
1	RUBIADIN	Plant	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
3	RUBIADIN-1-METHYL-ETHER	Root	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
87	RUTIN	Fruit	--	500	-0.5964904095908007	
44	SCOPOLETIN	Fruit	--	0.85	-0.8731393265552875	
31	THIAMIN	Leaf	1.6	7	-0.2718958403939485	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
89	URSOLIC-ACID	Leaf	--	--		