

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Garcinia mangostana*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,3,6,7-TETRAHYDROXYANTHONE	Wood	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	1,3,6,7-TETRAHYDROXYANTHONE-O-GLUCOSIDE	Wood	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	1,5-DIHYDROXY-2-(3-METHYLBUT-2-ENYL)-3-METHOXYXANTHONE	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	1FAT	Seed	1000	34285		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	8-DEOXYGARTANIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Fruit	10	255	-0.26863387232770786	
0	ASH	Fruit	2000	13140	-1.1270628917742929	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
53	BETA-CAROTENE	Fruit	--	--	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-MANGOSTIN	Latex Exudate	20000	20000		Chemical Constituents of Oriental Herbs (3 diff. books)
13	BETULIN	Leaf	250	250	-0.3734602660953271	Jim Duke's personal files.
28	CALCIUM	Fruit	100	637	-0.7428837330492978	
0	CARBOHYDRATES	Fruit	143000	960000	0.9471426910296563	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
1	CATECHINS	Fruit	50000	60000	1	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CATECHINS	Petiole	700000	140000		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CIS-HEX-3-ENYL-ACETATE	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-S-3-HEXEN-1-OL	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
23	CITRIC-ACID	Fruit	4200	27815	-0.19634531701139735	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Seed	30000	30000	-1.2398706410167792	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Fruit	50000	318000	1.6638744250833306	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	GAMMA-MANGOSTIN	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	GARCINONES	Petiole	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	GARTANIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	HEXYL-ACETATE	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
6	IRON	Fruit	2	46	-0.34501858068163765	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	KILOCALORIES	Fruit	600	3630	-0.046403210827852405	
1	MACLURIN	Wood	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	MANGOSTIN	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	MANGOSTIN	Latex Exudate	300000	500000		Chemical Constituents of Oriental Herbs (3 diff. books)
0	N,7DIHYDROXY-2-(3-METHYLBUT-2-ENYL)-3-METHOXYXANTHONE	Fruit	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
39	NIACIN	Fruit	6	38	-0.3034343823528566	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
24	PECTIN	Fruit	1000	5000	-0.5708847475914279	
4	PHOSPHORUS	Fruit	100	685	-0.7687637801443605	
0	PHYTIN	Fruit	1190	6560		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
14	POTASSIUM	Fruit	1350	8560	-0.8278041054214734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PROTEIN	Fruit	5000	34285	-1.008270209669702	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	RIBOFLAVIN	Fruit	0.2	1.3	-0.7944081953947483	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	SODIUM	Fruit	10	64	-0.1778817383339391	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	SUGARS	Fruit	164200	960000	3.0784222968003947	
31	THIAMIN	Fruit	0.3	1.9	-0.43940500331865456	
0	WATER	Fruit	802000	849000	0.3409960382384781	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.