

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Garcinia mangostana*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,3,6,7-TETRAHYDROXYANTHONE-O-GLUCOSIDE	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CARBOHYDRATES	Fruit	143000.0	960000.0	0.9471426910296563	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	PHYTIN	Fruit	1190.0	6560.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	1,3,6,7-TETRAHYDROXYANTHONE	Wood				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.
0	GARCINONES	Petiole				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GAMMA-MANGOSTIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BETA-MANGOSTIN	Latex Exudate		20000.0		Chemical Constituents of Oriental Herbs (3 diff. books)
0	WATER	Fruit	802000.0	849000.0	0.3409960382384781	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	N,7DIHYDROXY-2-(3-METHYLBUT-2-ENYL)-3-METHOXYXANTHONE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FAT	Seed		30000.0	-1.2398706410167792	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ASH	Fruit	2000.0	13140.0	-1.1270628917742929	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	SUGARS	Fruit	164200.0	960000.0	3.0784222968003947	--
0	CIS-S-3-HEXEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	8-DEOXYGARTANIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CIS-HEX-3-ENYL-ACETATE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	1FAT	Seed	1000.0	34285.0		Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	KILOCALORIES	Fruit	600.0	3630.0	-0.046403210827852405	--
0	PROTEIN	Fruit	5000.0	34285.0	-1.008270209669702	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
0	1,5-DIHYDROXY-2-(3-METHYLBUT-2-ENYL)-3-METHOXYXANTHONE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
1	CATECHINS	Fruit	50000.0	60000.0	1.0	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)
1	SODIUM	Fruit	10.0	64.0	-0.1778817383339391	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
1	MACLURIN	Wood				Chemical Constituents of Oriental Herbs (3 diff. books)
1	CATECHINS	Petiole	700000.0	140000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	PHOSPHORUS	Fruit	100.0	685.0	-0.7687637801443605	--
4	MANGOSTIN	Latex Exudate	300000.0	500000.0		Chemical Constituents of Oriental Herbs (3 diff. books)
4	MANGOSTIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Fruit	2.0	46.0	-0.34501858068163765	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
13	BETULIN	Leaf		250.0	-0.3734602660953271	Jim Duke's personal files.
14	POTASSIUM	Fruit	1350.0	8560.0	-0.8278041054214734	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	FIBER	Fruit	50000.0	318000.0	1.6638744250833306	Morton, J.F., Major Medicinal Plants. 1977. Atlas of Medicinal Plants of Middle America. Bahamas to Yucatan. 1981.
15	RIBOFLAVIN	Fruit	0.2	1.3	-0.7944081953947483	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
23	CITRIC-ACID	Fruit	4200.0	27815.0	-0.19634531701139735	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
24	PECTIN	Fruit	1000.0	5000.0	-0.5708847475914279	--
28	CALCIUM	Fruit	100.0	637.0	-0.7428837330492978	--
31	THIAMIN	Fruit	0.3	1.9	-0.43940500331865456	--
39	NIACIN	Fruit	6.0	38.0	-0.3034343823528566	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
53	BETA-CAROTENE	Fruit		0.0	-0.15080062913063783	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
112	ASCORBIC-ACID	Fruit	10.0	255.0	-0.26863387232770786	--