

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Cucumis melo

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	24-METHYLENE-CYCLOARTANOL	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
2	3-PHENYL-PROPYL-ACETATE	Petiole	--	--		
6	ACETALDEHYDE	Petiole	--	--		
28	ADENOSINE	Fruit	--	--		
10	ALPHA-AMYRIN	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
7	ALPHA-CAROTENE	Fruit	--	--		
2	ALPHA-SPINASTEROL	Stem	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
32	ALPHA-TOCOPHEROL	Fruit	1.4	14	-0.9061262102406885	USDA's Ag Handbook 8 and sequelae)
5	ALUMINUM	Fruit	26	77	-0.20112044254257924	
2	ARSENIC	Fruit	0.004	0.006	-0.529234677317701	
112	ASCORBIC-ACID	Fruit	397	4370	-0.012775547246317728	USDA's Ag Handbook 8 and sequelae)
1	BEHENIC-ACID	Leaf	--	--		
24	BENZALDEHYDE	Petiole	--	--		
9	BENZYL-ACETATE	Petiole	--	--		
2	BENZYL-PROPIONATE	Petiole	--	--		
9	BETA-AMYRIN	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
53	BETA-CAROTENE	Fruit	0.2	201	0.23772874940716746	USDA's Ag Handbook 8 and sequelae)

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	BETA-CRYPTOXANTHIN	Fruit	--	--		
13	BETA-IONONE	Petiole	--	--		
47	BETA-SITOSTEROL	Fruit	--	160	-0.5840200796856407	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
4	BORON	Fruit	1	16.5	-0.4716980311626207	
3	CADMIUM	Fruit	0.017	0.044	-0.5143122015706074	
102	CAFFEIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
28	CALCIUM	Fruit	96	3080	-0.1791361412038464	
2	CAMPESTEROL	Seed	--	--		
3	CAPRIC-ACID	Seed	2400	3570	-0.36702720299800934	
1	CAPROIC-ACID	Seed	3000	5350	0.4236367050993108	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	CAPRYLIC-ACID	Seed	6000	8920	-0.277745629338495	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
24	CHROMIUM	Fruit	0.13	0.165	-0.48445762358120437	
23	CITRIC-ACID	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	CITRULLINE	Fruit	142	241	-0.5131062405753505	
2	COBALT	Fruit	0.087	0.11	-0.5217986992297641	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	COPPER	Fruit	0.4	7.7	-0.3984053050544054	
8	CUCURBITACIN-B	Fruit	--	--		
6	CUCURBITACIN-E	Fruit	--	--		
3	CUCURBITIN	Seed	--	--		
7	CYCLOARTENOL	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
1	EPSILON-CAROTENE	Fruit	--	--		
24	ETHANOL	Petiole	--	--		
6	ETHYL-ACETATE	Petiole	--	--		
5	EUGENOL-METHYL-ETHER	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
1	EUPHOL	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
61	FERULIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
15	FIBER	Fruit	3180	39357	-0.9655348657675582	USDA's Ag Handbook 8 and sequelae)
15	FOLACIN	Fruit	0.1	1.9	-0.06005750796852785	USDA's Ag Handbook 8 and sequelae)
1	HEPTYL-ACETATE	Petiole	--	--		
1	HEXYL-ACETATE	Petiole	--	--		
18	HISTAMINE	Juice	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Fruit	2	55	-0.3093180063598038	
3	ISOBUTYL-ACETATE	Petiole	--	--		

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5	ISOFRAXIDIN	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
7	LAURIC-ACID	Seed	360	8920	-0.43233684732451505	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
27	LINOLEIC-ACID	Cotyledon	56100	726700	1.2359442834620131	
27	LINOLEIC-ACID	Seed	99600	246192	1.1915638819054901	
11	LITHIUM	Fruit	0.348	0.44	-0.5049344652171736	
21	LUPEOL	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
65	MAGNESIUM	Fruit	92	3300	0.5418998341350072	
1	MALONIC-ACID	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	MANGANESE	Fruit	0.4	7.7	-0.3527646944182478	
1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	
2	MOLYBDENUM	Fruit	0.609	0.77	-0.3309149921902472	
6	MYRISTIC-ACID	Fruit	1500	8920	0.15166436748144413	
39	NIACIN	Fruit	4.6	68	0.0976135544227392	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Fruit	0.87	1.1	-0.44492850398031125	
18	OLEIC-ACID	Cotyledon	40500	195300	-0.3646682145518912	
18	OLEIC-ACID	Seed	81000	200700	0.6707716289589275	
13	P-HYDROXY-BENZOIC-ACID	Plant	--	--		Stitt, Paul. Why George should eat broccoli.

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13	PALMITIC-ACID	Cotyledon	122000	532300	0.675103666467349	
13	PALMITIC-ACID	Seed	9600	58400	0.505380442064981	
11	PANTOTHENIC-ACID	Fruit	1.2	14	-0.26180763476426655	USDA's Ag Handbook 8 and sequelae)
1	PENTADECANOIC-ACID	Leaf	--	--		
4	PHOSPHORUS	Fruit	121	2640	-0.17495249383711084	
5	PHYLLOQUINONE	Fruit	--	0.001	-0.23285139490462353	
2	PHYTOSTEROLS	Fruit	100	978	0.042030191475337916	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	3018	44000	2.3077011689515046	
15	RIBOFLAVIN	Fruit	0.2	2.4	-0.5588248872268227	USDA's Ag Handbook 8 and sequelae)
87	RUTIN	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
7	SALICYLATES	Leaf	19	200	-0.1417379927135192	
60	SELENIUM	Fruit	0.003	0.004	-0.38519533142095475	
3	SILVER	Fruit	0.087	0.11	-0.43140967622714665	
1	SODIUM	Fruit	66	1115	-0.07821658868872519	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Cotyledon	10100	61400	-0.5578470239835672	
8	STEARIC-ACID	Seed	10080	35145	0.19713711780996532	
12	STIGMASTEROL	Seed	--	--		
14	SULFUR	Fruit	139	198	-0.846711926797232	
2	TARAXEROL	Seed	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)

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31	THIAMIN	Fruit	0.3	4.4	-0.11939177425860867	USDA's Ag Handbook 8 and sequelae)
2	TRIDECANOIC-ACID	Root	--	--		
15	TRIGONELLINE	Seed	2	6	-0.46761724095611706	
77	ZINC	Fruit	1.5	31	0.021013552710293256	