

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Cucumis melo

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Fruit	397.0	4370.0	-0.012775547246317728	USDA's Ag Handbook 8 and sequelae)
102	CAFFEIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
87	RUTIN	Plant				Stitt, Paul. Why George should eat broccoli.
77	ZINC	Fruit	1.5	31.0	0.021013552710293256	--
65	MAGNESIUM	Fruit	92.0	3300.0	0.5418998341350072	--
61	FERULIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
60	SELENIUM	Fruit	0.003	0.004	-0.38519533142095475	--
53	BETA-CAROTENE	Fruit	0.2	201.0	0.23772874940716746	USDA's Ag Handbook 8 and sequelae)
47	BETA-SITOSTEROL	Fruit		160.0	-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.)
39	NIACIN	Fruit	4.6	68.0	0.0976135544227392	USDA's Ag Handbook 8 and sequelae)
32	ALPHA-TOCOPHEROL	Fruit	1.4	14.0	-0.9061262102406885	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Fruit	0.3	4.4	-0.11939177425860867	USDA's Ag Handbook 8 and sequelae)
28	ADENOSINE	Fruit				--
28	CALCIUM	Fruit	96.0	3080.0	-0.1791361412038464	--
27	LINOLEIC-ACID	Seed	99600.0	246192.0	1.1915638819054901	--
27	LINOLEIC-ACID	Cotyledon	56100.0	726700.0	1.2359442834620131	--
24	CHROMIUM	Fruit	0.13	0.165	-0.48445762358120437	--
24	ETHANOL	Petiole				--
24	BENZALDEHYDE	Petiole				--
23	CITRIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
21	LUPEOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
18	OLEIC-ACID	Seed	81000.0	200700.0	0.6707716289589275	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Cotyledon	40500.0	195300.0	-0.3646682145518912	--
18	HISTAMINE	Juice				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	FOLACIN	Fruit	0.1	1.9	-0.06005750796852785	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Fruit	3180.0	39357.0	-0.9655348657675582	USDA's Ag Handbook 8 and sequelae)
15	TRIGONELLINE	Seed	2.0	6.0	-0.46761724095611706	--
15	RIBOFLAVIN	Fruit	0.2	2.4	-0.5588248872268227	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	3018.0	44000.0	2.3077011689515046	--
14	SULFUR	Fruit	139.0	198.0	-0.846711926797232	--
14	MANGANESE	Fruit	0.4	7.7	-0.3527646944182478	--
13	BETA-IONONE	Petiole				--
13	PALMITIC-ACID	Seed	9600.0	58400.0	0.505380442064981	--
13	PALMITIC-ACID	Cotyledon	122000.0	532300.0	0.675103666467349	--
13	P-HYDROXY-BENZOIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
12	COPPER	Fruit	0.4	7.7	-0.3984053050544054	--
12	STIGMASTEROL	Seed				--
11	LITHIUM	Fruit	0.348	0.44	-0.5049344652171736	--
11	PANTOTHENIC-ACID	Fruit	1.2	14.0	-0.26180763476426655	USDA's Ag Handbook 8 and sequelae)
10	ALPHA-AMYRIN	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
9	BETA-AMYRIN	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
9	BENZYL-ACETATE	Petiole				--
8	CUCURBITACIN-B	Fruit				--
8	STEARIC-ACID	Seed	10080.0	35145.0	0.19713711780996532	--
8	STEARIC-ACID	Cotyledon	10100.0	61400.0	-0.5578470239835672	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	LAURIC-ACID	Seed	360.0	8920.0	-0.43233684732451505	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
7	SALICYLATES	Leaf	19.0	200.0	-0.1417379927135192	--
7	ALPHA-CAROTENE	Fruit				--
7	CYCLOARTENOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
6	MYRISTIC-ACID	Fruit	1500.0	8920.0	0.15166436748144413	--
6	ETHYL-ACETATE	Petiole				--
6	IRON	Fruit	2.0	55.0	-0.3093180063598038	--
6	ACETALDEHYDE	Petiole				--
6	CUCURBITACIN-E	Fruit				--
5	24-METHYLENE-CYCLOARTANOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
5	ALUMINUM	Fruit	26.0	77.0	-0.20112044254257924	--
5	CITRULLINE	Fruit	142.0	241.0	-0.5131062405753505	--
5	EUGENOL-METHYL-ETHER	Plant				Stitt, Paul. Why George should eat broccoli.
5	ISOFRAXIDIN	Plant				Stitt, Paul. Why George should eat broccoli.
5	PHYLLOQUINONE	Fruit		0.001	-0.23285139490462353	--
5	CAPRYLIC-ACID	Seed	6000.0	8920.0	-0.277745629338495	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	BORON	Fruit	1.0	16.5	-0.4716980311626207	--
4	PHOSPHORUS	Fruit	121.0	2640.0	-0.17495249383711084	--
3	CADMIUM	Fruit	0.017	0.044	-0.5143122015706074	--
3	NICKEL	Fruit	0.87	1.1	-0.44492850398031125	--
3	ISOBUTYL-ACETATE	Petiole				--
3	SILVER	Fruit	0.087	0.11	-0.43140967622714665	--
3	CAPRIC-ACID	Seed	2400.0	3570.0	-0.36702720299800934	--

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3	CUCURBITIN	Seed				--
2	TARAXEROL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
2	ARSENIC	Fruit	0.004	0.006	-0.529234677317701	--
2	COBALT	Fruit	0.087	0.11	-0.5217986992297641	--
2	PHYTOSTEROLS	Fruit	100.0	978.0	0.042030191475337916	USDA's Ag Handbook 8 and sequelae)
2	BETA-CRYPTOXANTHIN	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.
2	MOLYBDENUM	Fruit	0.609	0.77	-0.3309149921902472	--
2	BENZYL-PROPIONATE	Petiole				--
2	CAMPESTEROL	Seed				--
2	TRIDECANOIC-ACID	Root				--
2	3-PHENYL-PROPYL-ACETATE	Petiole				--
1	BEHENIC-ACID	Leaf				--
1	EUPHOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
1	SODIUM	Fruit	66.0	1115.0	-0.07821658868872519	USDA's Ag Handbook 8 and sequelae)
1	PENTADECANOIC-ACID	Leaf				--
1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	--
1	EPSILON-CAROTENE	Fruit				--
1	CAPROIC-ACID	Seed	3000.0	5350.0	0.4236367050993108	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	MALONIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	HEXYL-ACETATE	Petiole				--
1	HEPTYL-ACETATE	Petiole				--