

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Cucumis melo

Activities 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	-0.9061262102406885	USDA's Ag Handbook 8 and sequelae)
5	ALUMINUM	Fruit	26.0	77.0	-0.20112044254257924	--
2	ARSENIC	Fruit	0.004	0.006	-0.529234677317701	--
112	ASCORBIC-ACID	Fruit	397.0	4370.0	-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	0.23772874940716746	USDA's Ag Handbook 8 and sequelae)
2	BETA-CRYPTOXANTHIN	Fruit				--
13	BETA-IONONE	Petiole				--
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.)
4	BORON	Fruit	1.0	16.5	-0.4716980311626207	--
3	CADMIUM	Fruit	0.017	0.044	-0.5143122015706074	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
102	CAFFEIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
28	CALCIUM	Fruit	96.0	3080.0	-0.1791361412038464	--
2	CAMPESTEROL	Seed				--
3	CAPRIC-ACID	Seed	2400.0	3570.0	-0.36702720299800934	--
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.
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.
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	142.0	241.0	-0.5131062405753505	--
2	COBALT	Fruit	0.087	0.11	-0.5217986992297641	--
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	FIBER	Fruit	3180.0	39357.0	-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	2.0	55.0	-0.3093180063598038	--
3	ISOBUTYL-ACETATE	Petiole				--
5	ISOFRAXIDIN	Plant				Stitt, Paul. Why George should eat broccoli.
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.
27	LINOLEIC-ACID	Cotyledon	56100.0	726700.0	1.2359442834620131	--
27	LINOLEIC-ACID	Seed	99600.0	246192.0	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	92.0	3300.0	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	1500.0	8920.0	0.15166436748144413	--
39	NIACIN	Fruit	4.6	68.0	0.0976135544227392	USDA's Ag Handbook 8 and sequelae)
3	NICKEL	Fruit	0.87	1.1	-0.44492850398031125	--
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	--
13	P-HYDROXY-BENZOIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
13	PALMITIC-ACID	Seed	9600.0	58400.0	0.505380442064981	--
13	PALMITIC-ACID	Cotyledon	122000.0	532300.0	0.675103666467349	--
11	PANTOTHENIC-ACID	Fruit	1.2	14.0	-0.26180763476426655	USDA's Ag Handbook 8 and sequelae)
1	PENTADECANOIC-ACID	Leaf				--
4	PHOSPHORUS	Fruit	121.0	2640.0	-0.17495249383711084	--
5	PHYLLOQUINONE	Fruit		0.001	-0.23285139490462353	--
2	PHYTOSTEROLS	Fruit	100.0	978.0	0.042030191475337916	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Fruit	3018.0	44000.0	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	19.0	200.0	-0.1417379927135192	--
60	SELENIUM	Fruit	0.003	0.004	-0.38519533142095475	--
3	SILVER	Fruit	0.087	0.11	-0.43140967622714665	--
1	SODIUM	Fruit	66.0	1115.0	-0.07821658868872519	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Seed	10080.0	35145.0	0.19713711780996532	--
8	STEARIC-ACID	Cotyledon	10100.0	61400.0	-0.5578470239835672	--
12	STIGMASTEROL	Seed				--
14	SULFUR	Fruit	139.0	198.0	-0.846711926797232	--
2	TARAXEROL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
31	THIAMIN	Fruit	0.3	4.4	-0.11939177425860867	USDA's Ag Handbook 8 and sequelae)
2	TRIDECANOIC-ACID	Root				--
15	TRIGONELLINE	Seed	2.0	6.0	-0.46761724095611706	--
77	ZINC	Fruit	1.5	31.0	0.021013552710293256	--