

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Cucumis melo

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	2,4-METHYLENE-CHOLESTEROL	Seed				--
0	22-DIHYDRO-SPINASTEROL	Seed				--
0	22-DIHYDROBRASSICASTEROL	Seed				--
0	24-BETA-ETHYL-25(27)-DEHYDROLATHOSTEROL	Seed				--
0	24-METHYL-25(27)-DEHYDROCYCLOARTANOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	24-METHYL-LATHOSTEROL	Seed				--
0	24-METHYLENE-24-DIHYDRO-PARKEOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	24-METHYLENE-24-DIHYDROLANASETOL	Seed				--
5	24-METHYLENE-CYCLOARTANOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	25(27)-DEHYDRO-CHONDRILLASTEROL	Seed				--
0	25(27)-DEHYDRO-FUNGISTEROL	Seed				--
0	25(27)-DEHYDRO-PORIFERASTEROL	Seed				--
0	3,4-DIMETHOXY-ACETOPHENONE-ISOMER	Petiole				--
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	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ARACHIDIC-ACID	Cotyledon	10200.0	55300.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ARACHIDIC-ACID	Seed	2700.0	4014.0	-0.26284935814682187	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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)
0	ASH	Fruit	6950.0	110000.0	1.381160459916271	--
0	AVENASTEROL	Seed				--
0	BARIUM	Fruit	1.3	7.7	-0.9084927937454443	--
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				--
0	BETA-PYRAZOL-1-YL-ALANINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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	--
0	BUTYL-ACETATE	Petiole				--
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.
0	CARBOHYDRATES	Fruit	83600.0	818026.0	0.1879347517881612	USDA's Ag Handbook 8 and sequelae)
0	CERYL-ALCOHOL	Seed				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	--
0	CINNAMIC-ACETATE	Petiole				--
0	CIS,CIS-3,6-NONADIEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-3-NONEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-6-NONEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-6-NONENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-CIS-NONA-3,6-DIENYL-ACETATE	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.
5	CITRULLINE	Fruit	142.0	241.0	-0.5131062405753505	--
0	CLEROSTEROL	Seed				--
2	COBALT	Fruit	0.087	0.11	-0.5217986992297641	--
0	CODISTEROL	Seed				--

Activities 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				--
0	ETHYL-(METHYLTHIO)-ACETATE	Petiole				--
0	ETHYL-2-METHYL-BUTYRATE	Petiole				--
0	ETHYL-2-METHYL-BUTYRATER	Petiole				--
6	ETHYL-ACETATE	Petiole				--
0	ETHYL-DECANOATE	Petiole				--
5	EUGENOL-METHYL-ETHER	Plant				Stitt, Paul. Why George should eat broccoli.
1	EUPHOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FAT	Seed	300000.0	446000.0	0.9513501618469027	--
0	FAT	Fruit	2600.0	29355.0	-0.417040961026947	USDA's Ag Handbook 8 and sequelae)
61	FERULIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
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)
0	GAMMA-GLUTAMYL-BETA-PYRAZOL-1-YL-ALANINE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GLOBULIN	Fruit		26000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	HEPTYL-ACETATE	Petiole				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	HEXADECENOIC-ACID	Seed	2190.0	3255.0	1.2413960685288705	--
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.
0	KILOCALORIES	Fruit	350.0	3425.0	-0.35776280167983726	USDA's Ag Handbook 8 and sequelae)
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.
0	LEAD	Fruit	1.74	2.2	-0.36021278345606544	--
27	LINOLEIC-ACID	Seed	99600.0	246192.0	1.1915638819054901	--
27	LINOLEIC-ACID	Cotyledon	56100.0	726700.0	1.2359442834620131	--
0	LINOLENIC-ACID	Cotyledon	200500.0	219000.0	0.10036814387089069	--
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	--
0	MARGARIC-ACID	Stem				--
0	MELODIN	Plant				--
0	MELONIN	Seed				--
0	MELOSIDE	Leaf				--
0	MELOSIDE-A-CAFFEYOYL-ESTER	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	--
2	MOLYBDENUM	Fruit	0.609	0.77	-0.3309149921902472	--
0	MULTIFLORENOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
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	--
0	NONAN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	NONANAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	NONYL-ACETATE	Petiole				--
0	OCTYL-ACETATE	Petiole				--
18	OLEIC-ACID	Seed	81000.0	200700.0	0.6707716289589275	--
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	--
0	PHYSETOLIC-ACID	Cotyledon				--
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	--
0	PROPYL-ACETATE	Petiole				--
0	PROTEIN	Seed		358000.0	1.1048583018621319	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

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0	PROTEIN	Fruit	8410.0	89924.0	-0.26240522052263404	USDA's Ag Handbook 8 and sequelae)
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	--
0	SITOSTEROL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
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	--
0	STIGMAST-7-EN-3-BETA-OL	Stem				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
12	STIGMASTEROL	Seed				--
0	STRONTIUM	Fruit	2.6	16.5	-0.8364653494654365	--
0	SUGAR	Fruit	20000.0	30000.0	-1.0714878987679288	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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)
0	TIRUCALLOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TITANIUM	Fruit	0.435	2.2	-0.7039255039966572	--
0	TRANS,CIS-2,6-NONADIEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TRANS,CIS-2,6-NONADIENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	TRANS-2-NONEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TRANS-2-NONENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
2	TRIDECANOIC-ACID	Root				--
15	TRIGONELLINE	Seed	2.0	6.0	-0.46761724095611706	--
0	VIT-B-6	Fruit	1.0	13.0	0.805968517245724	USDA's Ag Handbook 8 and sequelae)
0	WATER	Fruit	896000.0	938000.0	0.7279763689636809	--
77	ZINC	Fruit	1.5	31.0	0.021013552710293256	--
0	ZIRCONIUM	Fruit	1.7	2.2	-0.29684971083527095	--