

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	CALCIUM	Fruit	96.0	3080.0	-0.1791361412038464	--
28	ADENOSINE	Fruit				--
27	LINOLEIC-ACID	Seed	99600.0	246192.0	1.1915638819054901	--
27	LINOLEIC-ACID	Cotyledon	56100.0	726700.0	1.2359442834620131	--
24	BENZALDEHYDE	Petiole				--
24	CHROMIUM	Fruit	0.13	0.165	-0.48445762358120437	--
24	ETHANOL	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)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	HISTAMINE	Juice				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Seed	81000.0	200700.0	0.6707716289589275	--
18	OLEIC-ACID	Cotyledon	40500.0	195300.0	-0.3646682145518912	--
15	FOLACIN	Fruit	0.1	1.9	-0.06005750796852785	USDA's Ag Handbook 8 and sequelae)
15	TRIGONELLINE	Seed	2.0	6.0	-0.46761724095611706	--
15	FIBER	Fruit	3180.0	39357.0	-0.9655348657675582	USDA's Ag Handbook 8 and sequelae)
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	MANGANESE	Fruit	0.4	7.7	-0.3527646944182478	--
14	SULFUR	Fruit	139.0	198.0	-0.846711926797232	--
13	PALMITIC-ACID	Cotyledon	122000.0	532300.0	0.675103666467349	--
13	P-HYDROXY-BENZOIC-ACID	Plant				Stitt, Paul. Why George should eat broccoli.
13	BETA-IONONE	Petiole				--
13	PALMITIC-ACID	Seed	9600.0	58400.0	0.505380442064981	--
12	STIGMASTEROL	Seed				--
12	COPPER	Fruit	0.4	7.7	-0.3984053050544054	--
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	CYCLOARTENOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
7	ALPHA-CAROTENE	Fruit				--
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	--
6	CUCURBITACIN-E	Fruit				--
6	ETHYL-ACETATE	Petiole				--
6	ACETALDEHYDE	Petiole				--
6	IRON	Fruit	2.0	55.0	-0.3093180063598038	--
6	MYRISTIC-ACID	Fruit	1500.0	8920.0	0.15166436748144413	--
5	ALUMINUM	Fruit	26.0	77.0	-0.20112044254257924	--
5	24-METHYLENE-CYCLOARTANOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
5	EUGENOL-METHYL-ETHER	Plant				Stitt, Paul. Why George should eat broccoli.
5	ISOFRAXIDIN	Plant				Stitt, Paul. Why George should eat broccoli.
5	CITRULLINE	Fruit	142.0	241.0	-0.5131062405753505	--
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.
5	PHYLLOQUINONE	Fruit		0.001	-0.23285139490462353	--
4	BORON	Fruit	1.0	16.5	-0.4716980311626207	--
4	PHOSPHORUS	Fruit	121.0	2640.0	-0.17495249383711084	--
3	CAPRIC-ACID	Seed	2400.0	3570.0	-0.36702720299800934	--
3	CUCURBITIN	Seed				--
3	CADMIUM	Fruit	0.017	0.044	-0.5143122015706074	--
3	SILVER	Fruit	0.087	0.11	-0.43140967622714665	--
3	NICKEL	Fruit	0.87	1.1	-0.44492850398031125	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ISOBUTYL-ACETATE	Petiole				--
2	CAMPESTEROL	Seed				--
2	BENZYL-PROPIONATE	Petiole				--
2	MOLYBDENUM	Fruit	0.609	0.77	-0.3309149921902472	--
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	PHYTOSTEROLS	Fruit	100.0	978.0	0.042030191475337916	USDA's Ag Handbook 8 and sequelae)
2	COBALT	Fruit	0.087	0.11	-0.5217986992297641	--
2	TARAXEROL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
2	TRIDECANOIC-ACID	Root				--
2	3-PHENYL-PROPYL-ACETATE	Petiole				--
2	BETA-CRYPTOXANTHIN	Fruit				--
2	ARSENIC	Fruit	0.004	0.006	-0.529234677317701	--
1	EUPHOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
1	HEXYL-ACETATE	Petiole				--
1	MERCURY	Fruit	0.001	0.001	-0.7865389313824043	--
1	HEPTYL-ACETATE	Petiole				--
1	BEHENIC-ACID	Leaf				--
1	SODIUM	Fruit	66.0	1115.0	-0.07821658868872519	USDA's Ag Handbook 8 and sequelae)
1	PENTADECANOIC-ACID	Leaf				--
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	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	EPSILON-CAROTENE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	25(27)-DEHYDRO-PORIFERASTEROL	Seed				--
0	MELODIN	Plant				--
0	STRONTIUM	Fruit	2.6	16.5	-0.8364653494654365	--
0	MULTIFLORENOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	2,4-METHYLENE-CHOLESTEROL	Seed				--
0	TRANS,CIS-2,6-NONADIENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-6-NONENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
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.
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	25(27)-DEHYDRO-FUNGISTEROL	Seed				--
0	CIS-6-NONEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PROTEIN	Fruit	8410.0	89924.0	-0.26240522052263404	USDA's Ag Handbook 8 and sequelae)
0	LINOLENIC-ACID	Cotyledon	200500.0	219000.0	0.10036814387089069	--
0	25(27)-DEHYDRO-CHONDRILLASTEROL	Seed				--
0	ETHYL-2-METHYL-BUTYRATE	Petiole				--
0	HEXADECENOIC-ACID	Seed	2190.0	3255.0	1.2413960685288705	--
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.
0	CIS-3-NONEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PROPYL-ACETATE	Petiole				--
0	ZIRCONIUM	Fruit	1.7	2.2	-0.29684971083527095	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	MELOSIDE-A-CAFFEOYL-ESTER	Leaf				--
0	CIS,CIS-3,6-NONADIEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	TRANS,CIS-2,6-NONADIEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	OCTYL-ACETATE	Petiole				--
0	24-METHYLENE-24-DIHYDROLANASETOL	Seed				--
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.
0	MELOSIDE	Leaf				--
0	LEAD	Fruit	1.74	2.2	-0.36021278345606544	--
0	CINNAMIC-ACETATE	Petiole				--
0	ETHYL-DECANOATE	Petiole				--
0	TITANIUM	Fruit	0.435	2.2	-0.7039255039966572	--
0	BUTYL-ACETATE	Petiole				--
0	NONYL-ACETATE	Petiole				--
0	24-METHYLENE-24-DIHYDRO-PARKEOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	WATER	Fruit	896000.0	938000.0	0.7279763689636809	--
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	CODISTEROL	Seed				--
0	BARIUM	Fruit	1.3	7.7	-0.9084927937454443	--
0	MELONIN	Seed				--
0	PHYSETOLIC-ACID	Cotyledon				--
0	TIRUCALLOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	NONANAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	24-METHYL-LATHOSTEROL	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	VIT-B-6	Fruit	1.0	13.0	0.805968517245724	USDA's Ag Handbook 8 and sequelae)
0	SITOSTEROL	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	AVENASTEROL	Seed				--
0	MARGARIC-ACID	Stem				--
0	KILOCALORIES	Fruit	350.0	3425.0	-0.35776280167983726	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.
0	ETHYL-2-METHYL-BUTYRATER	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.
0	NONAN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	24-METHYL-25(27)-DEHYDROCYCLOARTANOL	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CLEROSTEROL	Seed				--
0	ASH	Fruit	6950.0	110000.0	1.381160459916271	--
0	CARBOHYDRATES	Fruit	83600.0	818026.0	0.1879347517881612	USDA's Ag Handbook 8 and sequelae)
0	ETHYL-(METHYLTHIO)-ACETATE	Petiole				--
0	24-BETA-ETHYL-25(27)-DEHYDROLATHOSTEROL	Seed				--
0	22-DIHYDROBRASSICASTEROL	Seed				--
0	TRANS-2-NONENAL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FAT	Seed	300000.0	446000.0	0.9513501618469027	--
0	3,4-DIMETHOXY-ACETOPHENONE-ISOMER	Petiole				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
0	22-DIHYDRO-SPINASTEROL	Seed				--
0	TRANS-2-NONEN-1-OL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	FAT	Fruit	2600.0	29355.0	-0.417040961026947	USDA's Ag Handbook 8 and sequelae)
0	CIS-CIS-NONA-3,6-DIENYL-ACETATE	Petiole				--
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.