

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Cucurbita pepo

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Flower	280.0	5773.0	0.9425150784106588	USDA's Ag Handbook 8 and sequelae)
112	ASCORBIC-ACID	Fruit	90.0	1071.0	-0.21789744626053537	USDA's Ag Handbook 8 and sequelae)
102	CAFFEIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	ZINC	Seed	75.0	200.0	4.396731781476845	--
75	KAEMPFEROL	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
65	MAGNESIUM	Seed	5140.0	8500.0	2.194307935408216	--
65	MAGNESIUM	Fruit	120.0	1429.0	-0.32448187054974087	USDA's Ag Handbook 8 and sequelae)
65	MAGNESIUM	Flower	240.0	4950.0	1.5450101513045418	USDA's Ag Handbook 8 and sequelae)
61	FERULIC-ACID	Plant				--
60	SELENIUM	Seed	0.08	0.4	-0.2598134032604234	--
53	BETA-CAROTENE	Seed	2.0	2.5	-0.27303542142102893	--
53	BETA-CAROTENE	Fruit	9.6	114.0	0.06955931690572935	USDA's Ag Handbook 8 and sequelae)
53	BETA-CAROTENE	Flower	12.0	240.0	3.0920238881774016	--
47	BETA-SITOSTEROL	Fruit		120.0	-0.6365753174526275	Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)
47	BETA-SITOSTEROL	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
39	NIACIN	Flower	7.0	142.0	0.4676432168231639	USDA's Ag Handbook 8 and sequelae)
39	NIACIN	Seed	14.0	22.0	-0.6252053381989392	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
39	NIACIN	Fruit	6.0	71.0	0.1377183481002988	USDA's Ag Handbook 8 and sequelae)
34	SALICYLIC-ACID	Seed				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
32	ALPHA-TOCOPHEROL	Fruit	10.0	119.0	0.7100689146464441	USDA's Ag Handbook 8 and sequelae)
32	ALPHA-TOCOPHEROL	Stem				--
32	ALPHA-TOCOPHEROL	Leaf				--
31	THIAMIN	Seed	1.9	3.7	-0.6881088248838246	--
31	THIAMIN	Fruit	0.5	5.9	0.07261616317741888	USDA's Ag Handbook 8 and sequelae)
31	THIAMIN	Flower	0.4	8.6	0.9634191805054287	USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Seed	4310.0	4630.0	0.44501745215638666	USDA's Ag Handbook 8 and sequelae)
29	TRYPTOPHAN	Fruit	120.0	1800.0	1.3326475370102935	--
28	CALCIUM	Seed	240.0	2960.0	-0.21789520636618454	--
28	CALCIUM	Fruit	210.0	2500.0	-0.31297715768782586	USDA's Ag Handbook 8 and sequelae)
28	CALCIUM	Flower	390.0	8041.0	0.6281259672638968	USDA's Ag Handbook 8 and sequelae)
28	ADENOSINE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
27	LINOLEIC-ACID	Flower	20.0	410.0	-1.6272593881283386	USDA's Ag Handbook 8 and sequelae)
27	LINOLEIC-ACID	Seed	33025.0	260000.0	1.309872196741342	--
27	LINOLEIC-ACID	Fruit	20.0	238.0	-0.35204205108428127	USDA's Ag Handbook 8 and sequelae)
24	CHROMIUM	Seed		17.0	1.7942136570807767	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
24	PECTIN	Seed		30000.0	-0.08222588577632582	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
22	GABA	Seed				--
22	GAMMA-AMINOBUTYRIC-ACID	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
21	LUPEOL	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
20	LECITHIN	Seed		4000.0	-0.6301994798460713	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
18	OLEIC-ACID	Seed	70000.0	234570.0	0.949202915624086	--
18	OLEIC-ACID	Fruit	60.0	714.0	-0.4752421241865289	USDA's Ag Handbook 8 and sequelae)
18	OLEIC-ACID	Flower	40.0	825.0	-0.5618910849321588	USDA's Ag Handbook 8 and sequelae)
18	MANNITOL	Fruit	150000.0	200000.0	1.0000000000000002	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	ALPHA-LINOLENIC-ACID	Fruit	30.0	357.0	-0.9907958760065699	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Flower	6300.0	130000.0	-0.01946664238399821	USDA's Ag Handbook 8 and sequelae)
15	ALPHA-LINOLENIC-ACID	Flower	20.0	410.0		USDA's Ag Handbook 8 and sequelae)
15	TRIGONELLINE	Sprout Seedling				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Seed	2.7	4.9	0.5272746510341323	--
15	LUTEIN	Flower				--
15	METHIONINE	Seed	5195.0	7885.0	0.9218941593170248	--
15	RIBOFLAVIN	Fruit	1.1	13.1	1.732758201315725	USDA's Ag Handbook 8 and sequelae)
15	METHIONINE	Fruit	110.0	1310.0	0.43282328158125916	--
15	RIBOFLAVIN	Flower	0.7	15.0	2.063147597581711	USDA's Ag Handbook 8 and sequelae)
15	ALPHA-LINOLENIC-ACID	Seed	1810.0	2750.0	-0.27664797897567234	--
15	FIBER	Fruit	11000.0	130952.0	-0.10120041632692214	USDA's Ag Handbook 8 and sequelae)
15	FIBER	Seed	19690.0	26538.0	-0.8546880226433043	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	MANGANESE	Seed	40.0	100.0	0.5789731987465522	--
14	SUCROSE	Seed		14000.0	-0.4987245937681623	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
14	GAMMA-TOCOPHEROL	Seed				--
14	ARGININE	Seed	40330.0	81280.0	2.3983290974128795	--
14	ARGININE	Fruit	370.0	6429.0	0.5652801717537763	--
14	POTASSIUM	Seed	5540.0	25000.0	1.0931328980431534	--
14	POTASSIUM	Fruit	3400.0	40476.0	1.9959201140166747	USDA's Ag Handbook 8 and sequelae)
14	POTASSIUM	Flower	1730.0	35670.0	1.6822865837086274	USDA's Ag Handbook 8 and sequelae)
13	PALMITIC-ACID	Fruit	370.0	4405.0	-0.29695907602866173	USDA's Ag Handbook 8 and sequelae)
13	PALMITIC-ACID	Flower	260.0	5360.0	1.5550797314583331	USDA's Ag Handbook 8 and sequelae)
13	MUFA	Seed	142580.0	153180.0	0.31654088954333737	USDA's Ag Handbook 8 and sequelae)
13	MUFA	Fruit	130.0	1548.0	-0.23146990776316503	USDA's Ag Handbook 8 and sequelae)
13	MUFA	Flower	90.0	1855.0	0.9258200997725515	USDA's Ag Handbook 8 and sequelae)
13	PALMITIC-ACID	Seed	44800.0	64530.0	0.6318622321962477	--
12	GLYCINE	Seed	17960.0	39220.0	4.087033113761383	--
12	GLYCINE	Fruit	270.0	8000.0	1.700314241568018	--
12	COPPER	Seed	14.0	25.0	0.9238769354282156	--
12	STIGMASTEROL	Seed				--
11	ADENINE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
10	SQUALENE	Seed				--
9	PHYTIC-ACID	Seed	15000.0	22000.0	0.3298576936665281	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	OXALIC-ACID	Juice		400.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	TYROSINE	Seed	9275.0	12235.0	1.041001842799917	--
8	TYROSINE	Fruit	130.0	5000.0	1.0696133056017336	--
8	GLUTAMIC-ACID	Seed	43150.0	101820.0	2.535958532664187	--
8	STEARIC-ACID	Seed	22670.0	30710.0	0.10091267774493513	--
8	GLUTAMIC-ACID	Fruit	1840.0	35000.0	1.6935719269179679	--
8	STEARIC-ACID	Fruit	30.0	357.0	-0.2555459149836314	USDA's Ag Handbook 8 and sequelae)
8	STEARIC-ACID	Flower	20.0	410.0	0.8880673443552061	USDA's Ag Handbook 8 and sequelae)
7	GLUTATHIONE	Root				--
7	SALICYLATES	Fruit	1.0	12.0	-0.3023324705158085	--
7	LAURIC-ACID	Seed	440.0	472.0	-0.5080982546591932	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Seed	12220.0	22845.0	1.3499663619426168	--
7	LAURIC-ACID	Fruit	10.0	119.0	-0.4440571804777033	USDA's Ag Handbook 8 and sequelae)
7	PHENYLALANINE	Fruit	300.0	3810.0	0.16793014424265534	--
7	LAURIC-ACID	Flower	10.0	205.0	1.0	USDA's Ag Handbook 8 and sequelae)
7	HISTIDINE	Seed	6810.0	9615.0	0.9280525151100297	--
7	HISTIDINE	Fruit	140.0	1905.0	0.13488863306666263	--
6	CUCURBITACIN-I	Seed				--
6	MYRISTIC-ACID	Seed	200.0	559.0	-0.28868542415273796	--
6	MYRISTIC-ACID	Fruit	60.0	714.0	-0.23546018231743712	USDA's Ag Handbook 8 and sequelae)
6	MYRISTIC-ACID	Flower	50.0	1030.0	1.0	USDA's Ag Handbook 8 and sequelae)
6	IRON	Seed	86.0	200.0	0.2286303167080437	--
6	IRON	Flower	7.0	144.0	-0.15678269834846398	USDA's Ag Handbook 8 and sequelae)
5	ZEAXANTHIN	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
5	ORNITHINE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
5	ALUMINUM	Seed		11.0	-0.34533998793343856	--
4	PUFA	Seed	209040.0	224581.0	0.9047155639598008	USDA's Ag Handbook 8 and sequelae)
4	PUFA	Fruit	50.0	595.0	-0.7969298370757578	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Seed	10600.0	12982.0	2.015938641351039	--
4	CUCURBITACIN-D	Seed				--
4	PUFA	Flower	40.0	825.0	-1.0752762105747442	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Flower	490.0	10100.0	2.686824447078974	USDA's Ag Handbook 8 and sequelae)
4	PHOSPHORUS	Fruit	440.0	5238.0	0.6141634764064872	USDA's Ag Handbook 8 and sequelae)
4	LYSINE	Seed	15580.0	21120.0	1.221995231537649	--
4	TIN	Seed		23.0	2.787245020652214	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	LYSINE	Fruit	470.0	6429.0	0.5994486783586378	--
4	THREONINE	Seed	6205.0	9701.0	0.3497572127196895	--
4	THREONINE	Fruit	250.0	3452.0	0.18053609503349416	--
4	BORON	Fruit		1.0	-0.7837717353775396	Betting on Boron, Unpublished draft by J. A. Duke on file at USDA, draft and papers relating to boron percentages. Includes Internat. Z. Vit. Ern. Forschung 43:1973 (boron).
4	SILICON	Seed				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
3	CUCURBITIN	Seed	16600.0	66300.0		--
3	ISOLEUCINE	Seed	12640.0	19825.0	1.1909618444245489	--
3	PHEOPHYTIN-A	Plant				--
3	ISOLEUCINE	Fruit	310.0	3690.0	0.015676544764510515	USDA's Ag Handbook 8 and sequelae)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	XANTHOPHYLL	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	ASPARTIC-ACID	Seed	24770.0	41080.0	1.6415504064239652	--
3	ALANINE	Seed	11580.0	24420.0	3.0321935802284528	--
3	ASPARTIC-ACID	Fruit	1020.0	12143.0	0.26070734221460257	USDA's Ag Handbook 8 and sequelae)
3	ALANINE	Fruit	280.0	3333.0	-0.14718903027260638	USDA's Ag Handbook 8 and sequelae)
3	VALINE	Seed	19720.0	22725.0	1.3194683797013413	--
3	VALINE	Fruit	350.0	4165.0	-0.059422351858102324	USDA's Ag Handbook 8 and sequelae)
2	PHYTOSTEROLS	Fruit	120.0	1428.0	0.621756970445516	USDA's Ag Handbook 8 and sequelae)
2	NEOXANTHIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	LEUCINE	Seed	20790.0	35835.0	1.7950676234415441	--
2	CRYPTOXANTHIN	Seed				--
2	LEUCINE	Fruit	460.0	5476.0	0.07968869127701686	USDA's Ag Handbook 8 and sequelae)
2	CAMPESTEROL	Seed				--
2	CUCURBIC-ACID	Plant				--
2	CRYPTOXANTHIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	VIOLAXANTHIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	PALMITOLEIC-ACID	Seed	990.0	1064.0	-0.2729267504653296	USDA's Ag Handbook 8 and sequelae)
2	BETA-CRYPTOXANTHIN	Flower				--
2	ALPHA-SPINASTEROL	Seed				--
2	CUCURBIC-ACID	Seed		1.2		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	PALMITOLEIC-ACID	Fruit	60.0	714.0	-0.21493257540335348	USDA's Ag Handbook 8 and sequelae)
2	ALPHA-SPINASTEROL	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
2	CYSTINE	Seed	3010.0	3234.0	0.05846459641621995	USDA's Ag Handbook 8 and sequelae)
2	PALMITOLEIC-ACID	Flower	50.0	1030.0		USDA's Ag Handbook 8 and sequelae)
2	COBALT	Seed		143.0	5.996171444060427	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	CYSTINE	Fruit	30.0	700.0	-0.3455775263586415	--
1	CHOLESTEROL	Plant				--
1	SERINE	Seed	11480.0	19825.0	1.772899923635598	--
1	SERINE	Fruit	440.0	6100.0	0.8674481392454163	--
1	7BETA,12ALPHA-DIHYDROXYKAURENOLIDE	Seed				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
1	SODIUM	Seed	180.0	193.0	-0.4093447105551685	--
1	SODIUM	Fruit	10.0	119.0	-0.17266615010321906	USDA's Ag Handbook 8 and sequelae)
1	SODIUM	Flower	50.0	1030.0	-0.014204700953778359	USDA's Ag Handbook 8 and sequelae)
0	ABSCISIC-ACID	Seed		0.03	-1.1527176372041539	--
0	SFA	Seed	86740.0	93180.0	0.3371201440997354	USDA's Ag Handbook 8 and sequelae)
0	22-DIHYDRO-SPINASTEROL	Seed				--
0	24ALPHA-ETHYLLATHOSTEROL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	BETA-HYDROXYBUTYRIC-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CUCURBITOL	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CHONDRILLASTEROL	Seed				--
0	DELTA-7-ERGOSTENOL	Seed				--
0	CUCUROIC-ACID-3-O-BETA-D-GLUCOSIDE	Seed				--
0	(+)-VOMIFOLIOL	Seed				--
0	ISORHAMNETIN-3-O-RUTINOSIDE-4'-O-RHAMNOSIDE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	SFA	Fruit	520.0	6190.0	-0.2432713408404038	USDA's Ag Handbook 8 and sequelae)
0	SPINASTEROL	Seed				--
0	24-ETHYL-5-ALPHA-CHOLESTA-7,25-DIEN-3-BETA-OL	Seed				--
0	1-O-P-COUMAROYL-BETA-D-GLUCOSE	Fruit				--
0	2,4-METHYLENE-CHOLESTEROL	Seed				--
0	STIGMAST-7-ENYL-D-GLUCOSIDE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CARBOHYDRATES	Seed	60000.0	191341.0	-1.319678638609645	--
0	ALPHA-KETO-BETA-METHYL-VALERAINIC-ACID	Juice		180.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BETA-TOCOPHEROL	Seed				--
0	SFA	Flower	360.0	7425.0	1.3802107188371535	USDA's Ag Handbook 8 and sequelae)
0	SCHOTTENOL	Seed				--
0	24-ETHYL-5-ALPHA-CHOLESTA-7,22,25-TRIEN-3-BETA-OL	Seed				--
0	GLUTINOL	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	1-O-FERULOYL-BETA-D-GLUCOSE	Fruit				--
0	FAT	Seed	300000.0	520000.0	1.3411346315870767	--

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0	CUCURBITAXANTHIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	OXYCEROTINIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	24-ETHYL-5-ALPHA-CHOLESTA-5,22-DIEN-3-BETA-OL	Seed				--
0	STIGMAST-7-ENOL	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CHLOROPHYLL-B	Plant				--
0	CARBOHYDRATES	Fruit	65000.0	773809.0	-0.04851627057819577	USDA's Ag Handbook 8 and sequelae)
0	ALPHA-KETO-BETA-METHYL-BUTYRIC-ACID	Juice		100.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	STEROIDS	Seed		10000.0	1.0	Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PROTEINASE-INHIBITOR	Seed				--
0	(+)-VOMIFOLIOL	Plant				--
0	GIBBERELLIN-A49	Seed		0.06		--
0	FAT	Fruit	1000.0	11905.0	-0.5503226574053797	USDA's Ag Handbook 8 and sequelae)
0	CUCURBIC-ACID-METHYL-ESTER	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	ARACHIDIC-ACID	Seed	200.0	3445.0	-0.31855492120796164	--
0	ASCORBATE-OXIDASE	Fruit				--
0	CUCURBITA-RIBOSOMAL-INACTIVATING-PROTEIN(MW-30000)	Seed				--
0	CARBOHYDRATES	Flower	32800.0	676290.0	0.08007862121719332	USDA's Ag Handbook 8 and sequelae)
0	ALPHA-AMINO-BUTYRIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	25(27)-DEHYDRO-PORIFERASTEROL	Seed				--
0	(+)-TRANS-ABSCISIC-ACID	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	OXYCEROTIC-ACID	Seed				--
0	PROTEIN	Seed	86000.0	510000.0	2.4569770193242495	--
0	GIBBERELLIN-A48	Seed		0.5		--
0	FAT	Flower	700.0	14430.0	-0.682532632511201	USDA's Ag Handbook 8 and sequelae)
0	PHOSPHOLIPIDS	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	BETA-AMINO-ISOBUTYRIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	M-CARBOXYPHENYLALANINE	Seed				--
0	CUCURBIC-ACID-GLUCOSIDE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	22-DIHYDROBRASSICASTERO L	Seed				--
0	CUCURBIC-ACID-3-O-BETA-D-GLUCOSIDE-METHYL-ESTER	Seed		1.0		--
0	WATER	Seed	65200.0	73110.0	-0.5928698155574392	--
0	ALPHA-AMINO-ADIPIC-ACID	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	DELTA-8-STEROLS	Seed				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PLASTOCYANIN	Plant				--
0	BETA-PYRAZOALANINE	Seed				--
0	GIBBERELLIN-A49	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	PROTEIN	Fruit	10000.0	140000.0	0.4088853346010846	--
0	GIBBERELLIN-A39	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EDESTINE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	(+)-DEHYDROVOMIFOLIOL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	AVENASTEROL	Seed				--
0	(+)-DEHYDROVOMIFOLIOL	Seed		0.5		--
0	CUCURBIC-ACID-3-O-BETA-D-GLUCOSIDE	Seed		7.0		--
0	WATER	Fruit		916000.0	0.6323183096832936	USDA's Ag Handbook 8 and sequelae)
0	DELTA-7,25(27)-STIGMADIEN-3-BETA-OL-GYLCSIDE	Seed				--
0	HYDROXYBRENZTRAUBEN-ACID	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	PEPONIN	Seed				--
0	GIBBERELLIN-A48	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	PROLINE	Seed	10000.0	10743.0	-0.11647292737143848	USDA's Ag Handbook 8 and sequelae)
0	GIBBERELLIN-A-29	Seed		1.0		--
0	DL-CITRULLIN	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	(+)-CIS-ABSCISIC-ACID	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	24-METHYL-CHOLEST-7-EN-3-BETA-OL	Seed				--
0	AUROXANTHIN	Flower				--
0	ALPHA-SPINASTERYL-BETA-D-GLUCOSIDE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	VOMIFOLIOL	Seed		0.16		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CUCURBIC-ACID-METHYL-ESTER-3-O-BETA-D-GLUCOSIDE	Seed				--
0	DELTA-7,25(27)-STIGMASTADIEN-3-BETA-OL	Seed				--
0	9,10-DIHYDROXY-OCTADEC-12-ENOIC-ACID	Seed		0.5		--
0	PROLINE	Fruit	260.0	17100.0	3.5944692903421607	--
0	25(27)-DEHYDRO-FUNGISTEROL	Seed				--
0	DELTA-HYDROXYLYSINE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ASH	Seed	47530.0	70000.0	0.6653137568970965	--
0	GADOLEIC-ACID	Seed	2740.0	6055.0	0.17833510249533263	--
0	GIBBERELLIN-A39	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	2-CARBOXYARABINITOL	Leaf				--
0	KILOCALORIES	Seed	2730.0	5980.0	0.877506538168353	--
0	DELTA-7,22,25(27)-STIGMASTATRIEN-3-BETA-OL-GLYCOSIDE	Seed				--
0	MUTATOXANTHIN	Flower				--
0	ISOFUCOSTEROL	Seed				--
0	DEHYDROASCORBIC-ACID	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CODISTEROL	Seed				--
0	ASH	Fruit	7500.0	95238.0	0.9988933412124088	--
0	ETHYL-ASPARAGINE	Seed				--
0	CODECARBOXYLASE	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	APIGENIN-7-O-BETA-D-GLUCOSYL-6-C-GLUCOSIDE	Shoot				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	KILOCALORIES	Fruit	220.0	3095.0	-0.8589758015879105	--
0	DELTA-7,22,25(27)-STIGMASTATRIEN-3-BETA-OL	Seed				--
0	GUANOSINE	Sprout Seedling				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	24-METHYL-LATHOSTEROL	Seed				--
0	FLAVOXANTHIN	Flower				--
0	CLEROSTEROL	Seed				--
0	ASH	Flower	4800.0	98970.0	0.6935813306629863	USDA's Ag Handbook 8 and sequelae)
0	EICOSADIENOIC-ACID	Seed	500.0	3095.0	-1.0	--
0	FLAVOXANTHIN	Juice				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	(+)-TRANS-2-ABSCISIC-ACID	Seed		0.05		--
0	KILOCALORIES	Flower	150.0	3092.0	-0.6127486372028212	USDA's Ag Handbook 8 and sequelae)
0	UREASE	Seed				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-ALPHA-STIGMASTA-7,25-DIEN-3-BETA-OL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	DELTA-5-STEROLS	Seed				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	GLYOXALIC-ACID	Juice		200.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	RHAMNAZIN-3-RUTINOSIDE	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	24-BETA-ETHYL-25(27)-DEHYDROLATHOSTEROL	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FIXED-OIL	Seed				--
0	25(27)-DEHYDRO- CHONDRILLASTEROL	Seed				--