

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Coccinia grandis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	29-HYDROXYLUPEOL	Seed				Akihisa, T., Kimura, Y., Kasahara, Y., Kumaki, K., Thakur, S., Tamura, T. 1997. 7-oxodihydrokaroundiol-3-benzoate and other triterpenes from the seeds of cucurbitaceae. <i>Phytochemistry</i> , 46(7): 1261-1266.
0	3-BETA-7-STIGMASTENOL	Root				List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	3-O-BETA-[ALPHA-L-ARABINOPYRANOSYL-(1,2)-BETA-D-GLUCOPYRANOSYL-(1,3)]-BETA-HYDROXYLUP-20(29)-EN-28-OIC-ACID	Root		27.0		--
0	5-METHYLCYTOSINE	Fruit				--
0	7-OXOSTIGMAST-5-EN-3-BETA-OL	Seed				Akihisa, T., Kimura, Y., Kasahara, Y., Kumaki, K., Thakur, S., Tamura, T. 1997. 7-oxodihydrokaroundiol-3-benzoate and other triterpenes from the seeds of cucurbitaceae. <i>Phytochemistry</i> , 46(7): 1261-1266.
1	AMYLASE	Juice				ANON. 1948-1976. <i>The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi.</i> 11 volumes.
14	ARGININE	Flower				List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Fruit	280.0	4058.0	-0.03217476897788363	ANON. 1948-1976. <i>The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi.</i> 11 volumes.
0	ASH	Fruit	5000.0	72465.0	0.40917859427818193	ANON. 1948-1976. <i>The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi.</i> 11 volumes.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ASPARAGIC-ACID	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	ASPARAGINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	BETA-AMYRIN	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	BETA-AMYRIN-ACETATE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
53	BETA-CAROTENE	Fruit	15.6	226.0	0.28605329897654624	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	BETA-PYRAZOL-1-YL-ALANINE	Seed				Dunnill, P. M., Fowden, L. 1965. The Amino Acids of Seeds of the Cucurbitaceae. Phytochemistry, 4: 933-944.
47	BETA-SITOSTEROL	Fruit				--
47	BETA-SITOSTEROL	Leaf				--
47	BETA-SITOSTEROL	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	BETULIN	Seed				Akihisa, T., Kimura, Y., Kasahara, Y., Kumaki, K., Thakur, S., Tamura, T. 1997. 7-oxodihydrokaroundiol-3-benzoate and other triterpenes from the seeds of cucurbitaceae. Phytochemistry, 46(7): 1261-1266.
102	CAFFEIC-ACID	Leaf				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
28	CALCIUM	Fruit	400.0	5600.0	0.4023799993817195	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	CARBOHYDRATES	Fruit	35000.0	507245.0	-1.4739709673252743	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
5	CITRULLINE	Seed				Dunnill, P. M., Fowden, L. 1965. The Amino Acids of Seeds of the Cucurbitaceae. Phytochemistry, 4: 933-944.
8	CUCURBITACIN-B	Fruit				--
5	DAUCOSTEROL	Fruit				--
0	DELTA-7-STIGMASTENONE-(3)	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ERYTHRODIOL	Seed				Akihisa, T., Kimura, Y., Kasahara, Y., Kumaki, K., Thakur, S., Tamura, T. 1997. 7-oxodihydrokaroundiol-3-benzoate and other triterpenes from the seeds of cucurbitaceae. Phytochemistry, 46(7): 1261-1266.
0	FAT	Fruit	1000.0	14490.0	-0.5305786353344198	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	FIBER	Fruit	16000.0	231885.0	0.8512518898621899	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GAMMA-GLUTAMYL-BETA-PYRAZOL-1-YL-ALANINE	Seed				Dunnill, P. M., Fowden, L. 1965. The Amino Acids of Seeds of the Cucurbitaceae. Phytochemistry, 4: 933-944.
8	GLUTAMIC-ACID	Flower				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
7	HISTIDINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	HYDROXYPROLINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Fruit	14.0	203.0	0.27775810471035356	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	KAROUNIDIOL	Seed				Akihisa, T., Kimura, Y., Kasahara, Y., Kumaki, K., Thakur, S., Tamura, T. 1997. 7-oxodihydrokarounidiol-3-benzoate and other triterpenes from the seeds of cucurbitaceae. Phytochemistry, 46(7): 1261-1266.
21	LUPEOL	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	OMBUIN-3-O-ARABINOFURANOSIDE	Root	123.0	125.0		--
7	PHENYLALANINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Fruit	300.0	4350.0	0.34444254431398735	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PROTEIN	Fruit	12000.0	173915.0	0.8635306572510749	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	SERINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TARAXERONE	Fruit				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	THREONINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	TYROSINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	VALINE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WATER	Fruit		931000.0	0.6975397137381031	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.