

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Gardenia jasminoides*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	TERPINEOL	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	DEACETYLASPERULOSIDE-ACID-METHYL-ESTER	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	METHYL-DEACETYLASPERULOSIDATE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	10-ACETYLGENIPOSIDE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	GARDENIC-ACID-A	Flower				--
10	GENIPOSIDE	Fruit				--
35	TANNIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CROCIN-1	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	(1R,7,8S,10R)-7,8,11-TRIHYDROXYGUAIA-4-EN-3-ONE-8-O-BETA-D-GLUCOPYRANOSIDE	Fruit				--
2	METHYL-ANTHRANILATE	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GARDENATE-A	Fruit				--
0	GENIPIN-1-BETA-D-GLUCOSIDE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	STYRENE-ACETATE	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
4	CROCIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	PENTA-ACETYL-GENIPOSIDE	Leaf				--
18	MANNITOL	Fruit				--
5	DAUCOSTEROL	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GENIPIN-1-BETA-D-GENTIOBIOSIDE	Fruit				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXYETHYL-GARDENAMIDE-A	Fruit				--
4	CROCIN	Flower				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
6	GENIPIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	SHANZHISIDE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
3	CHLOROGENIN	Fruit				--
1	GARDENIC-ACID	Plant				--
0	CROCETIN-MONO(BETA-GENTIOBIOSYL)-ESTER	Fruit				--
0	GARDOSIDE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
1	SCANDOSIDE-METHYL-ESTER	Fruit				--
7	LINALYL-ACETATE	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	BORNYL-6-O-BETA-D-XYLOPYRANOSYL-BETA-D-GLUCOPYRANOSIDE	Flower				--
10	CROCETIN	Fruit				--
6	GARDENOSIDE	Leaf				--
0	PROTEIN	Seed		144000.0	-0.7987825240384804	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
47	BETA-SITOSTEROL	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	LINALOL	Flower				--
0	ZHIZININ-A	Flower				--
35	BORNEOL	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	GARDENOSIDE	Fruit				--
9	BENZYL-ACETATE	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	(R)-LINALYL-6-O-ALPHA-L-ARABINOPYRANOSYL-BETA-D-GLUCOPYRANOSIDE	Flower				--
0	13-Z-CROCIN-ESTER	Fruit				--
2	GARDENIN	Fruit				--
0	PICROCROCINIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	BENZOIC-ACID-ESTER	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	GENTIOBIOSIDE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	JASMINOSIDE-F	Fruit				--
53	LINALOOL	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
24	PECTIN	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	ASH	Seed		25000.0	-0.6881795914949315	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	GARDENODIC-ACID-A	Plant				--
10	GENIPOSIDIC-ACID	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)
0	EO	Flower		700.0	-0.4000177745189089	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	NONACOSANE	Fruit				Chemical Constituents of Oriental Herbs (3 diff. books)

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	ARSENIC	Fruit		0.05	-0.4728474209824816	Chen, H.C. and Lin, S.M. 1988. Determination of Mineral Elements in Certain Crude Drugs (Part 1), Kaohsiung J. Med. Sci., 4: 259-272.
1	GARDENIC-ACID-B	Flower				--
10	GENIPOSIDE	Leaf				--
12	COPPER	Fruit	10.0	13.0	0.014090749380317144	--
77	ZINC	Fruit	10.0	17.0	-0.40018873103446667	--
14	MANGANESE	Fruit	16.0	19.0	-0.27825396850008577	--
6	IRON	Fruit	40.0	130.0	-0.011813220344521346	--
1	SODIUM	Fruit	731.0	985.0	-0.09054434268860892	--
65	MAGNESIUM	Fruit	1880.0	2170.0	0.0186441813858007	--
28	CALCIUM	Fruit	2810.0	4710.0	0.1970032671907855	Suzuki, A., Morimoto, I., and Okitsu, T., Elution of Metals from Crude Drugs, Shoykugaku Zasshi 36(3):190-195.
14	POTASSIUM	Fruit	13800.0	15300.0	-0.2314918720898178	--
0	FAT	Seed	140000.0	200000.0	-0.34441983215421706	--