

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**Chemicals found in Chrysanthemum x morifolium**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
78	LUTEOLIN	Flower				Wealth of India.
1	CHLOROCHRYMORIN	Plant				--
47	BETA-SITOSTEROL	Flower				Wealth of India.
9	BETA-AMYRIN	Flower				Wealth of India.
1	LINARIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	ADENOSINE	Plant				--
24	ETHANOL	Plant				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
41	CAMPHOR	Flower				Wealth of India.
16	ACETIC-ACID	Flower				Wealth of India.
2	CAMPESTEROL	Flower				Wealth of India.
6	PROPIONIC-ACID	Flower				Wealth of India.
16	ACACETIN	Flower				Wealth of India.
1	LIGNOCERIC-ACID	Flower				Wealth of India.
2	CHRYSANTHENONE	Flower				Wealth of India.
1	CHRYSANTHEMOL	Flower				Wealth of India.
89	URSOLIC-ACID	Flower				Wealth of India.
5	BETA-ELEMENE	Flower				Wealth of India.
35	BORNEOL	Flower				--
71	THYMOL	Flower				Wealth of India.
13	PALMITIC-ACID	Flower				Wealth of India.
24	BENZALDEHYDE	Flower				Wealth of India.
12	BORNYL-ACETATE	Flower				Wealth of India.
1	BEHENIC-ACID	Flower				Wealth of India.
12	STIGMASTEROL	Flower				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	BENZOIC-ACID	Flower				Wealth of India.
4	COSMOSIIN	Plant				--
2	APIGENIN-7-O-GLUCOSIDE	Flower				Wealth of India.
8	STEARIC-ACID	Flower				Wealth of India.
7	LUTEOLIN-7-GLUCOSIDE	Flower				--
3	ARTEGLASIN-A	Plant				Wealth of India.
20	CHOLINE	Flower				--
7	ANISALDEHYDE	Flower				Wealth of India.
6	STACHYDRINE	Flower				--
13	BETA-PINENE	Plant	0.4	1.5	-0.4338670087455951	Wealth of India.
5	BETA-ELEMENE	Plant	2.0	6.0	-0.45349400861411276	Wealth of India.
53	LINALOOL	Plant	3.0	10.0	-0.6629650658166377	Wealth of India.
28	ALPHA-PINENE	Plant	3.0	14.0	-0.4715678091747994	Wealth of India.
16	P-CYMENE	Plant	3.0	14.0	-0.4166106950305513	Wealth of India.
3	AR-CURCUMENE	Plant	4.0	15.0	-0.514502295665997	Wealth of India.
5	SABINENE	Plant	4.0	17.0	-0.441840720596955	Wealth of India.
7	LINALYL-ACETATE	Plant	6.0	23.0	-0.567007818782863	Wealth of India.
13	ALPHA-TERPINENE	Plant	6.0	24.0	-0.4654209872833327	Wealth of India.
9	CAMPHENE	Plant	8.0	30.0	-0.5545069597862352	Wealth of India.
11	NEROLIDOL	Plant	10.0	42.0	-0.18982104327431903	Wealth of India.
35	BORNEOL	Plant	12.0	45.0	-0.6302706844154905	Wealth of India.
8	CARYOPHYLLENE-OXIDE	Plant	15.0	57.0	-0.30752562113988746	Wealth of India.
3	ALPHA-CADINOL	Plant	18.0	70.0	0.7812684206594567	Wealth of India.
67	1,8-CINEOLE	Plant	24.0	90.0	-0.5364006987067864	Wealth of India.
22	MYRCENE	Plant	24.0	90.0	-0.37722360475393335	Wealth of India.
12	BORNYL-ACETATE	Plant	30.0	115.0	-0.39546516463620013	Wealth of India.
3	ALPHA-SELINENE	Plant	32.0	120.0	1.6504862173312838	Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
2	GERMACRENE-D	Plant	36.0	130.0	-0.3120042673282946	Wealth of India.