

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Centaurea cyanus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	ACETIC-ACID	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	ALUMINUM	Flower				--
101	APIGENIN	Shoot				Jim Duke's personal files.
0	APIGENIN-4'-O-(6-O-MALONYL-BETA-D-GLUCOSIDE)-7-O-BETA-D-GLUCURONIDE	Flower				--
0	APIGENIN-4'-O-BETA-D-GLUCOSIDE	Shoot				Jim Duke's personal files.
0	APIGENIN-4'-O-BETA-D-GLUCOSIDE-7-O-BETA-D-GLUCURONIDE	Flower				--
0	APIGENIN-7-GLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	APIIN	Shoot				Jim Duke's personal files.
4	APIIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	ARNIDIOL	Flower				Jim Duke's personal files.
20	BENZOIC-ACID	Flower				Jim Duke's personal files.
47	BETA-SITOSTEROL	Flower				Jim Duke's personal files.
0	C-GLYCOSYL-FLAVONE-7-O-METHYL-VITEXIN	Flower				Wealth of India.
102	CAFFEIC-ACID	Shoot				Jim Duke's personal files.
102	CAFFEIC-ACID	Flower				Jim Duke's personal files.
0	CENTAUR-X	Plant				Wealth of India.
0	CENTAUR-X	Shoot				Jim Duke's personal files.
0	CENTAUR-X-1	Shoot				Jim Duke's personal files.
0	CENTAUR-X-3	Shoot				Jim Duke's personal files.
0	CENTAUR-Y	Plant				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CENTAUR-Y	Shoot				Jim Duke's personal files.
0	CENTAUR-Y-1	Shoot				Jim Duke's personal files.
0	CENTAUR-Y-2	Shoot				Jim Duke's personal files.
0	CENTAUROCYANIN	Flower				Jim Duke's personal files.
77	CHLOROGENIC-ACID	Shoot				Jim Duke's personal files.
77	CHLOROGENIC-ACID	Flower				Jim Duke's personal files.
3	CICHORIIN	Flower				--
0	CIS-CAFFEIC-ACID	Flower				Jim Duke's personal files.
0	CIS-SINAPIC-ACID	Flower				Jim Duke's personal files.
10	CNICIN	Flower				Wealth of India.
0	COSMOSSIIN	Shoot				Jim Duke's personal files.
0	CYANIDIN-3,5-DIGLUCOSIDE	Flower				--
0	CYANIDIN-3-(6'-MALONYL-GLUCOSIDE)	Stem				Jim Duke's personal files.
0	CYANIDIN-5-O-BETA-D-GLUCOSIDE-3-O-BETA-D-(6-SUCCINYL-GLUCOSIDE)	Inflorescence				Jim Duke's personal files.
5	CYANIN	Flower				--
0	CYANOCENTAUREIN	Flower				--
0	CYANOCENTAURIN	Flower		975.0		Jim Duke's personal files.
3	CYNAROSIDE	Shoot				Jim Duke's personal files.
0	FAT	Seed	158000.0	181000.0	-0.4444996284388564	--
61	FERULIC-ACID	Flower				Jim Duke's personal files.
0	FRAGARIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GRAVEOBIOSIDE	Shoot				Jim Duke's personal files.
7	HISPIDULIN	Shoot				Jim Duke's personal files.
6	IRON	Plant				--
4	ISOCHLOROGENIC-ACID	Shoot				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
11	ISORHAMNETIN	Shoot				Jim Duke's personal files.
75	KAEMPFEROL	Shoot				Jim Duke's personal files.
75	KAEMPFEROL	Plant				Wealth of India.
0	KAEMPFEROL-3-O-GLUCOSIDE	Plant				Wealth of India.
78	LUTEOLIN	Plant				Wealth of India.
78	LUTEOLIN	Shoot				Jim Duke's personal files.
3	MUCILAGE	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	N-NONACOSANE	Flower				Jim Duke's personal files.
2	NEO-CHLOROGENIC-ACID	Shoot				Jim Duke's personal files.
2	NEO-CHLOROGENIC-ACID	Flower				Jim Duke's personal files.
0	O-HYDROXYPHENYLACETIC-ACID	Flower				Jim Duke's personal files.
25	P-COUMARIC-ACID	Flower				Jim Duke's personal files.
13	P-HYDROXY-BENZOIC-ACID	Flower				Jim Duke's personal files.
0	P-HYDROXYPHENYLACETIC-ACID	Flower				Jim Duke's personal files.
0	PELARGONIDIN-3,5-DIGLUCOSIDE	Flower				Wealth of India.
0	PELARGONIDIN-3-(6'-SUCCINYL-GLUCOSIDE)-5-GLUCOSIDE	Flower				--
1	PELARGONIN	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	POLYENES	Plant				Wealth of India.
0	POLYGALACTURONIC-ACIDS	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	POLYYNES	Plant				Wealth of India.
0	POPULNIN	Shoot				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROTEIN	Plant	194000.0	254000.0	0.6599808093451381	--
43	PROTOCATECHUIC-ACID	Flower				Jim Duke's personal files.
0	PROTOCYANIN	Flower		11.6		--
176	QUERCETIN	Shoot				Jim Duke's personal files.
1	QUERCETOL	Plant				Wealth of India.
0	QUERCIMERETRIN	Plant				Wealth of India.
0	QUERCIMERETRIN	Flower				--
6	QUERCIMERITRIN	Shoot				Jim Duke's personal files.
4	RUTOSIDE	Plant				Wealth of India.
34	SALICYLIC-ACID	Flower				Jim Duke's personal files.
44	SCOPOLETIN	Shoot				Jim Duke's personal files.
0	SUCCINYLCYANIN	Flower				--
6	SYRINGIC-ACID	Flower				Jim Duke's personal files.
35	TANNIN	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TRANS-CAFFEIC-ACID	Flower				Jim Duke's personal files.
0	TRANS-SINAPIC-ACID	Flower				Jim Duke's personal files.
0	TRIDECA-3,5,7,9-TETRAIN-1,11-DIEN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TRIDECA-5,7,9-TRIIN-1,3,11-TRIEN	Root				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
22	UMBELLIFERONE	Shoot				Jim Duke's personal files.
24	VANILLIC-ACID	Flower				Jim Duke's personal files.
0	WAX	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
0	WAX	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.