

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Centaurea cyanus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PROTEIN	Plant	194000.0	254000.0	0.6599808093451381	--
0	FAT	Seed	158000.0	181000.0	-0.4444996284388564	--
24	VANILLIC-ACID	Flower				Jim Duke's personal files.
0	P-HYDROXYPHENYLACETIC-ACID	Flower				Jim Duke's personal files.
20	BENZOIC-ACID	Flower				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.
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	CENTAUR-Y-1	Shoot				Jim Duke's personal files.
0	CYANOCENTAUREIN	Flower				--
1	QUERCETOL	Plant				Wealth of India.
22	UMBELLIFERONE	Shoot				Jim Duke's personal files.
0	O-HYDROXYPHENYLACETIC-ACID	Flower				Jim Duke's personal files.
1	ARNIDIOL	Flower				Jim Duke's personal files.
0	CYANIDIN-3-(6'-MALONYL-GLUCOSIDE)	Stem				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	CENTAUR-Y	Shoot				Jim Duke's personal files.
5	CYANIN	Flower				--
0	POLYYNES	Plant				Wealth of India.
6	SYRINGIC-ACID	Flower				Jim Duke's personal files.
0	PELARGONIDIN-3-(6'-SUCCINYL-GLUCOSIDE)-5-GLUCOSIDE	Flower				--
0	APIGENIN-4'-O-BETA-D-GLUCOSIDE	Shoot				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
25	P-COUMARIC-ACID	Flower				Jim Duke's personal files.
0	QUERCIMERETRIN	Flower				--
0	TRANS-SINAPIC-ACID	Flower				Jim Duke's personal files.
0	CENTAUR-X-3	Shoot				Jim Duke's personal files.
0	CYANIDIN-3,5-DIGLUCOSIDE	Flower				--
0	POLYENES	Plant				Wealth of India.
47	BETA-SITOSTEROL	Flower				Jim Duke's personal files.
1	N-NONACOSANE	Flower				Jim Duke's personal files.
0	APIGENIN-4'-O-(6-O-MALONYL-BETA-D-GLUCOSIDE)-7-O-BETA-D-GLUCURONIDE	Flower				--
0	COSMOSSIIN	Shoot				Jim Duke's personal files.
0	PROTOCYANIN	Flower		11.6		--
0	CIS-SINAPIC-ACID	Flower				Jim Duke's personal files.
0	CENTAUR-X-1	Shoot				Jim Duke's personal files.
10	CNICIN	Flower				Wealth of India.
0	PELARGONIDIN-3,5-DIGLUCOSIDE	Flower				Wealth of India.
78	LUTEOLIN	Shoot				Jim Duke's personal files.
101	APIGENIN	Shoot				Jim Duke's personal files.
2	NEO-CHLOROGENIC-ACID	Shoot				Jim Duke's personal files.
0	CENTAUR-X	Shoot				Jim Duke's personal files.
3	CICHORIIN	Flower				--
78	LUTEOLIN	Plant				Wealth of India.
44	SCOPOLETIN	Shoot				Jim Duke's personal files.
75	KAEMPFEROL	Shoot				Jim Duke's personal files.
4	APIIN	Shoot				Jim Duke's personal files.
2	NEO-CHLOROGENIC-ACID	Flower				Jim Duke's personal files.

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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	TRANS-CAFFEIC-ACID	Flower				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.
0	KAEMPFEROL-3-O-GLUCOSIDE	Plant				Wealth of India.
34	SALICYLIC-ACID	Flower				Jim Duke's personal files.
7	HISPIDULIN	Shoot				Jim Duke's personal files.
0	WAX	Hull Husk				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	ISOCHLOROGENIC-ACID	Shoot				Jim Duke's personal files.
1	PELARGONIN	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CIS-CAFFEIC-ACID	Flower				Jim Duke's personal files.
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.
75	KAEMPFEROL	Plant				Wealth of India.
11	ISORHAMNETIN	Shoot				Jim Duke's personal files.
0	GRAVEOBIOSIDE	Shoot				Jim Duke's personal files.
6	QUERCIMERITRIN	Shoot				Jim Duke's personal files.
77	CHLOROGENIC-ACID	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.
102	CAFFEIC-ACID	Shoot				Jim Duke's personal files.

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0	APIGENIN-4'-O-BETA-D-GLUCOSIDE-7-O-BETA-D-GLUCURONIDE	Flower				--
0	CENTAUR-Y	Plant				Wealth of India.
176	QUERCETIN	Shoot				Jim Duke's personal files.
61	FERULIC-ACID	Flower				Jim Duke's personal files.
0	CYANOCENTAURIN	Flower		975.0		Jim Duke's personal files.
77	CHLOROGENIC-ACID	Flower				Jim Duke's personal files.
6	IRON	Plant				--
102	CAFFEIC-ACID	Flower				Jim Duke's personal files.
5	ALUMINUM	Flower				--
0	CENTAUR-X	Plant				Wealth of India.
43	PROTOCATECHUIC-ACID	Flower				Jim Duke's personal files.
3	CYNAROSIDE	Shoot				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.
0	CENTAUROCYANIN	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.
4	RUTOSIDE	Plant				Wealth of India.
16	ACETIC-ACID	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	C-GLYCOSYL-FLAVONE-7-O-METHYL-VITEXIN	Flower				Wealth of India.
0	POPULNIN	Shoot				Jim Duke's personal files.
13	P-HYDROXY-BENZOIC-ACID	Flower				Jim Duke's personal files.
0	SUCCINYLCYANIN	Flower				--

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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.
0	CENTAUR-Y-2	Shoot				Jim Duke's personal files.
0	QUERCIMERETRIN	Plant				Wealth of India.