

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Centaurea cyanus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
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-3-0-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	APIGENIN-7-GLUCOSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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75	KAEMPFEROL	Plant				Wealth of India.
11	ISORHAMNETIN	Shoot				Jim Duke's personal files.
0	CIS-CAFFEIC-ACID	Flower				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.
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.
102	CAFFEIC-ACID	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				--
5	ALUMINUM	Flower				--
0	CENTAUR-X	Plant				Wealth of India.
43	PROTocatechuic-ACID	Flower				Jim Duke's personal files.
102	CAFFEIC-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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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				--
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.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
25	P-COUMARIC-ACID	Flower				Jim Duke's personal files.
0	QUERCIMERETRIN	Flower				--
0	CENTAUR-X-3	Shoot				Jim Duke's personal files.
0	CYANIDIN-3,5-DIGLUCOSIDE	Flower				--
0	POLYENES	Plant				Wealth of India.
0	TRANS-SINAPIC-ACID	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				--
47	BETA-SITOSTEROL	Flower				Jim Duke's personal files.
0	COSMOSSIIN	Shoot				Jim Duke's personal files.
0	PROTOCYANIN	Flower		11.6		--
0	CENTAUR-X-1	Shoot				Jim Duke's personal files.
10	CNICIN	Flower				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PELARGONIDIN-3,5-DIGLUCOSIDE	Flower				Wealth of India.
0	CIS-SINAPIC-ACID	Flower				Jim Duke's personal files.
0	FAT	Seed	158000.0	181000.0	-0.4444996284388564	--
0	PROTEIN	Plant	194000.0	254000.0	0.6599808093451381	--