

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Centaurea cyanus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
176	QUERCETIN	Shoot				Jim Duke's personal files.
102	CAFFEIC-ACID	Shoot				Jim Duke's personal files.
102	CAFFEIC-ACID	Flower				Jim Duke's personal files.
101	APIGENIN	Shoot				Jim Duke's personal files.
78	LUTEOLIN	Plant				Wealth of India.
78	LUTEOLIN	Shoot				Jim Duke's personal files.
77	CHLOROGENIC-ACID	Shoot				Jim Duke's personal files.
77	CHLOROGENIC-ACID	Flower				Jim Duke's personal files.
75	KAEMPFEROL	Plant				Wealth of India.
75	KAEMPFEROL	Shoot				Jim Duke's personal files.
61	FERULIC-ACID	Flower				Jim Duke's personal files.
47	BETA-SITOSTEROL	Flower				Jim Duke's personal files.
44	SCOPOLETIN	Shoot				Jim Duke's personal files.
43	PROTocatechuic-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.
34	SALICYLIC-ACID	Flower				Jim Duke's personal files.
25	P-COUMARIC-ACID	Flower				Jim Duke's personal files.
24	VANILLIC-ACID	Flower				Jim Duke's personal files.
22	UMBELLIFERONE	Shoot				Jim Duke's personal files.
20	BENZOIC-ACID	Flower				Jim Duke's personal files.
16	ACETIC-ACID	Flower				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	P-HYDROXY-BENZOIC-ACID	Flower				Jim Duke's personal files.
11	ISORHAMNETIN	Shoot				Jim Duke's personal files.
10	CNICIN	Flower				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	HISPIDULIN	Shoot				Jim Duke's personal files.
6	QUERCIMERITRIN	Shoot				Jim Duke's personal files.
6	IRON	Plant				--
6	SYRINGIC-ACID	Flower				Jim Duke's personal files.
5	ALUMINUM	Flower				--
5	CYANIN	Flower				--
4	APIIN	Leaf				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.
4	RUTOSIDE	Plant				Wealth of India.
4	APIIN	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.
3	CYNAROSIDE	Shoot				Jim Duke's personal files.
3	CICHORIIN	Flower				--
2	NEO-CHLOROGENIC-ACID	Flower				Jim Duke's personal files.
2	NEO-CHLOROGENIC-ACID	Shoot				Jim Duke's personal files.
1	PELARGONIN	Flower				Chemical Constituents of Oriental Herbs (3 diff. books)
1	QUERCETOL	Plant				Wealth of India.
1	ARNIDIOL	Flower				Jim Duke's personal files.
1	N-NONACOSANE	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.
0	CENTAUR-X	Plant				Wealth of India.

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.
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.
0	C-GLYCOSYL-FLAVONE-7-O-METHYL-VITEXIN	Flower				Wealth of India.
0	GRAVEOBIOSIDE	Shoot				Jim Duke's personal files.
0	APIGENIN-4'-O-BETA-D-GLUCOSIDE-7-O-BETA-D-GLUCURONIDE	Flower				--
0	QUERCIMERETRIN	Plant				Wealth of India.
0	CYANOCENTAURIN	Flower		975.0		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	CENTAURUCYANIN	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	POLYYNES	Plant				Wealth of India.
0	POPULNIN	Shoot				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	FAT	Seed	158000.0	181000.0	-0.4444996284388564	--
0	POLYENES	Plant				Wealth of India.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	P-HYDROXYPHENYLACETIC-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				--
0	PELARGONIDIN-3,5-DIGLUCOSIDE	Flower				Wealth of India.
0	O-HYDROXYPHENYLACETIC-ACID	Flower				Jim Duke's personal files.
0	CYANIDIN-3-(6'-MALONYL-GLUCOSIDE)	Stem				Jim Duke's personal files.
0	CENTAUR-Y	Shoot				Jim Duke's personal files.
0	APIGENIN-4'-O-BETA-D-GLUCOSIDE	Shoot				Jim Duke's personal files.
0	PELARGONIDIN-3-(6'-SUCCINYL-GLUCOSIDE)-5-GLUCOSIDE	Flower				--
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	APIGENIN-4'-O-(6-O-MALONYL-BETA-D-GLUCOSIDE)-7-O-BETA-D-GLUCURONIDE	Flower				--
0	KAEMPFEROL-3-O-GLUCOSIDE	Plant				Wealth of India.
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.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PROTEIN	Plant	194000.0	254000.0	0.6599808093451381	--
0	CENTAUR-X	Shoot				Jim Duke's personal files.
0	CENTAUR-Y	Plant				Wealth of India.