

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Euphrasia officinalis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
176	QUERCETIN	Plant				--
112	ASCORBIC-ACID	Plant	10.0	67.0	-0.5779568931624107	--
102	CAFFEIC-ACID	Shoot		6000.0	1.7085918936663076	Jim Duke's personal files.
102	CAFFEIC-ACID	Plant		11500.0	0.732750509786938	Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
101	APIGENIN	Plant				--
87	RUTIN	Plant				--
78	LUTEOLIN	Shoot				Jim Duke's personal files.
77	ZINC	Plant	0.5	3.5	-0.47976965929797716	--
75	KAEMPFEROL	Plant				Jim Duke's personal files.
65	MAGNESIUM	Plant	641.0	4160.0	0.029089809747304622	--
62	GALLIC-ACID	Plant				--
62	GALLIC-ACID	Shoot				Jim Duke's personal files.
61	FERULIC-ACID	Plant				Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
60	SELENIUM	Plant	0.1	0.5	-0.40520801615606183	--
53	BETA-CAROTENE	Plant	11.0	73.0	-0.3318192937264815	--
47	BETA-SITOSTEROL	Plant				Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp.
39	NIACIN	Plant	52.0	337.0	3.647611827084371	--
35	TANNIN	Shoot				Jim Duke's personal files.
31	THIAMIN	Plant		4.3	-0.28049355339724585	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
28	CALCIUM	Plant	1771.0	11500.0	-0.22349528673219693	--
24	VANILLIC-ACID	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	CHROMIUM	Plant	0.1	0.7	-0.7978184456668914	--
22	ISOQUERCITRIN	Plant				--
20	AUCUBIN	Shoot				Jim Duke's personal files.
20	AUCUBIN	Plant		500.0	0.003044452405683529	--
20	CHOLINE	Plant				Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
15	RIBOFLAVIN	Plant	3.0	18.0	0.45910751299395686	--
15	FIBER	Plant		91000.0	-0.9744928819249589	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
14	POTASSIUM	Plant	2002.0	13000.0	-0.6135110993447295	--
14	MANGANESE	Plant	2.0	12.6	-0.6045983914604846	--
13	DIOSMETIN	Plant				Jim Duke's personal files.
12	STIGMASTEROL	Plant				--
10	GENIPOSIDE	Plant				--
7	CHRYSOERIOL	Shoot				Jim Duke's personal files.
7	GLUCOSE	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
6	IRON	Plant	5.0	31.0	-0.7017961103263061	--
5	ALUMINUM	Plant	15.3	99.0	-0.5601770011887169	--
4	SILICON	Plant	5.0	30.3	-0.3634509523754327	--
4	PHOSPHORUS	Plant	323.0	2100.0	-0.7153547612101347	--
4	TIN	Plant	1.2	8.0	-0.8729707962821696	--
3	CATALPOL	Plant				--
2	COBALT	Plant	2.3	14.7	0.002807034712339081	--
2	NONACOSANE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	GALACTOSE	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
1	SODIUM	Plant				--
0	KILOCALORIES	Plant		2540.0	-0.7009777360540221	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	CHRYSOERIOL-7-RHAMNOGALACTOSIDE	Shoot				Jim Duke's personal files.
0	FIBER(DIETARY)	Plant		292000.0	-0.7783499512148322	--
0	CARBOHYDRATES	Plant	113652.0	738000.0	0.4224033805107468	--
0	THIAMINE	Plant	0.7	4.3	-0.330333535595269	--
0	QUERCETIN-DIGLUCOSIDE	Plant				Jim Duke's personal files.
0	FIBER(CRUDE)	Plant		91000.0	-0.24161341330888036	--
0	GALLOTANNINS	Plant	30000.0	80000.0		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	6-HYDROXYPHENYLPYRUVIC ACID	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PROTEIN	Plant	19558.0	127000.0	-0.3807803570376024	--
0	LUTEOLIN-7-RHAMNOGALACTOSIDE	Shoot				Jim Duke's personal files.
0	APIGENIN-7-RHAMNOGALACTOSIDE	Shoot				Jim Duke's personal files.
0	EUPHROSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	DEHYDROCONIFERYL-ALCOHOL-4-BETA-D-GLYCOSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	KAEMPFEROL-3-O-RUTINOSIDE	Shoot				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	FAT	Plant	1386.0	9000.0	-0.6239103544022774	--
0	WATER	Plant		846000.0	0.32137482975971443	--
0	ASH	Plant	19404.0	126000.0	0.09010263207242175	--
0	CERYL-ALCOHOL	Plant				--
0	EO	Plant	1500.0	2000.0	-0.5881321355977028	--
0	QUERCETIN-GLYCOSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	PHENYLCARBOXYLIC-ACIDS	Plant				--
0	ARABINOSE	Plant				Newall, C. A., Anderson, L. A. and Phillipson, J. D. 1996. Herbal Medicine - A Guide for Health-care Professionals. The Pharmaceutical Press, London. 296pp.
0	EUKOVOSIDE	Plant		263.6		--
0	TANNINS	Plant		124000.0	0.01753827623374099	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	APIGENIN-GLYCOSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	LUPROSIDE	Plant				--
0	IXOROSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.