

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Euphrasia officinalis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	6-HYDROXYPHENYLPYRUVIC-ACID	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
5	ALUMINUM	Plant	15.3	99.0	-0.5601770011887169	--
101	APIGENIN	Plant				--
0	APIGENIN-7-RHAMNOGALACTOSIDE	Shoot				Jim Duke's personal files.
0	APIGENIN-GLYCOSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
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.
112	ASCORBIC-ACID	Plant	10.0	67.0	-0.5779568931624107	--
0	ASH	Plant	19404.0	126000.0	0.09010263207242175	--
20	AUCUBIN	Shoot				Jim Duke's personal files.
20	AUCUBIN	Plant		500.0	0.003044452405683529	--
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.
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.
28	CALCIUM	Plant	1771.0	11500.0	-0.22349528673219693	--
0	CARBOHYDRATES	Plant	113652.0	738000.0	0.4224033805107468	--
3	CATALPOL	Plant				--
0	CERYL-ALCOHOL	Plant				--
20	CHOLINE	Plant				Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
24	CHROMIUM	Plant	0.1	0.7	-0.7978184456668914	--
7	CHRYSOERIOL	Shoot				Jim Duke's personal files.
0	CHRYSOERIOL-7-RHAMNOGALACTOSIDE	Shoot				Jim Duke's personal files.
2	COBALT	Plant	2.3	14.7	0.002807034712339081	--
0	DEHYDROCONIFERYL-ALCOHOL-4-BETA-D-GLYCOSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
13	DIOSMETIN	Plant				Jim Duke's personal files.
0	EO	Plant	1500.0	2000.0	-0.5881321355977028	--
0	EUKOVOSIDE	Plant		263.6		--
0	EUPHROSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	FAT	Plant	1386.0	9000.0	-0.6239103544022774	--
61	FERULIC-ACID	Plant				Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
15	FIBER	Plant		91000.0	-0.9744928819249589	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FIBER(CRUDE)	Plant		91000.0	-0.24161341330888036	--
0	FIBER(DIETARY)	Plant		292000.0	-0.7783499512148322	--
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.
62	GALLIC-ACID	Shoot				Jim Duke's personal files.
62	GALLIC-ACID	Plant				--
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.

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10	GENIPOSIDE	Plant				--
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	--
22	ISOQUERCITRIN	Plant				--
0	IXOROSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
75	KAEMPFEROL	Plant				Jim Duke's personal files.
0	KAEMPFEROL-3-O-RUTINOSIDE	Shoot				Jim Duke's personal files.
0	KILOCALORIES	Plant		2540.0	-0.7009777360540221	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	LUPROSIDE	Plant				--
78	LUTEOLIN	Shoot				Jim Duke's personal files.
0	LUTEOLIN-7-RHAMNOGALACTOSIDE	Shoot				Jim Duke's personal files.
65	MAGNESIUM	Plant	641.0	4160.0	0.029089809747304622	--
14	MANGANESE	Plant	2.0	12.6	-0.6045983914604846	--
39	NIACIN	Plant	52.0	337.0	3.647611827084371	--
2	NONACOSANE	Plant				--
0	PHENYLCARBOXYLIC-ACIDS	Plant				--
4	PHOSPHORUS	Plant	323.0	2100.0	-0.7153547612101347	--
14	POTASSIUM	Plant	2002.0	13000.0	-0.6135110993447295	--
0	PROTEIN	Plant	19558.0	127000.0	-0.3807803570376024	--
176	QUERCETIN	Plant				--
0	QUERCETIN-DIGLUCOSIDE	Plant				Jim Duke's personal files.

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0	QUERCETIN-GLYCOSIDE	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
15	RIBOFLAVIN	Plant	3.0	18.0	0.45910751299395686	--
87	RUTIN	Plant				--
60	SELENIUM	Plant	0.1	0.5	-0.40520801615606183	--
4	SILICON	Plant	5.0	30.3	-0.3634509523754327	--
1	SODIUM	Plant				--
12	STIGMASTEROL	Plant				--
35	TANNIN	Shoot				Jim Duke's personal files.
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.
31	THIAMIN	Plant		4.3	-0.28049355339724585	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THIAMINE	Plant	0.7	4.3	-0.330333535595269	--
4	TIN	Plant	1.2	8.0	-0.8729707962821696	--
24	VANILLIC-ACID	Plant				Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
0	WATER	Plant		846000.0	0.32137482975971443	--
77	ZINC	Plant	0.5	3.5	-0.47976965929797716	--