

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	Plant		11500.0	0.732750509786938	Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
102	CAFFEIC-ACID	Shoot		6000.0	1.7085918936663076	Jim Duke's personal files.
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	Shoot				Jim Duke's personal files.
62	GALLIC-ACID	Plant				--
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	Plant		500.0	0.003044452405683529	--
20	CHOLINE	Plant				Tyler, V.E.. 1982. The Honest Herbal. George F. Stickley Co., Philadelphia PA. 263 pp.
20	AUCUBIN	Shoot				Jim Duke's personal files.
15	FIBER	Plant		91000.0	-0.9744928819249589	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	RIBOFLAVIN	Plant	3.0	18.0	0.45910751299395686	--
14	MANGANESE	Plant	2.0	12.6	-0.6045983914604846	--
14	POTASSIUM	Plant	2002.0	13000.0	-0.6135110993447295	--
13	DIOSMETIN	Plant				Jim Duke's personal files.
12	STIGMASTEROL	Plant				--
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.
7	CHRYSOERIOL	Shoot				Jim Duke's personal files.
6	IRON	Plant	5.0	31.0	-0.7017961103263061	--
5	ALUMINUM	Plant	15.3	99.0	-0.5601770011887169	--
4	TIN	Plant	1.2	8.0	-0.8729707962821696	--
4	SILICON	Plant	5.0	30.3	-0.3634509523754327	--
4	PHOSPHORUS	Plant	323.0	2100.0	-0.7153547612101347	--
3	CATALPOL	Plant				--
2	NONACOSANE	Plant				--
2	COBALT	Plant	2.3	14.7	0.002807034712339081	--
1	SODIUM	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.