

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Verbascum thapsus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Leaf	0.2	0.4	-0.524313284412666	--
1	XYLOGLUCAN	Flower				--
20	VERBASCOSIDE	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
1	VERBASCOSE	Root				--
4	TIN	Leaf	5.3	12.0	-0.4331991239429111	--
31	THIAMIN	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	TARAXASTEROL	Seed				--
14	SUCROSE	Seed Oil				--
12	STIGMASTEROL	Root				--
12	STIGMASTEROL	Seed				--
12	STIGMASTEROL	Stem				--
12	STIGMASTEROL	Leaf				--
8	STEARIC-ACID	Seed		164000.0	2.9928530647275444	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
8	STEARIC-ACID	Seed Oil		325000.0	1.7217050423196145	--
1	SODIUM	Leaf	334.0	760.0	-0.5123036729552699	--
4	SILICON	Leaf	3.3	7.4	-0.39118183776763965	--
60	SELENIUM	Leaf	0.2	0.5	-0.34412954703445015	--
5	SAPONINS	Plant				--
13	ROTENONE	Leaf				--
15	RIBOFLAVIN	Leaf	0.5	1.1	-0.172705289047245	--
14	POTASSIUM	Leaf	5808.0	13200.0	-0.7570441086555757	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	PHOSPHORUS	Leaf	2508.0	5700.0	0.13404287578502	--
13	PALMITIC-ACID	Seed		309600.0	5.688451515633364	--
13	PALMITIC-ACID	Seed Oil		656000.0	3.1527427453153964	--
18	OLEIC-ACID	Seed	292000.0	300000.0	1.4870759326450875	--
64	OLEANOLIC-ACID	Flower				--
39	NIACIN	Leaf	42.0	95.0	-0.030418329796116125	--
3	MUCILAGE	Flower				--
3	MUCILAGE	Seed		3700.0	-1.2198632439349997	--
14	MANGANESE	Leaf	5.3	12.0	-0.43993638289409226	--
65	MAGNESIUM	Leaf	1421.0	3230.0	-0.34587713524983377	--
21	LUPEOL	Root				--
21	LUPEOL	Stem				--
21	LUPEOL	Leaf				--
27	LINOLEIC-ACID	Seed	48000.0	613000.0	4.33441124200899	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
11	ISORHAMNETIN	Flower				--
6	IRON	Leaf	104.0	236.0	-0.32238008504806986	--
31	HESPERIDIN	Plant				Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.
6	HARPAGOSIDE	Plant		89.0		--
6	HARPAGIDE	Plant		70.0		--
2	FORSYTHOSIDE-B	Plant		4.0		--
15	FIBER	Leaf		111000.0	-0.6249222392756235	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	CROCETIN	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
57	COUMARIN	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	COBALT	Leaf	6.0	12.8	-0.22280563230793393	--
24	CHROMIUM	Leaf	0.6	1.4	-0.52714700936206	--
3	CATALPOL	Shoot				--
3	CATALPOL	Plant		50.0		--
2	CAMPESTEROL	Stem				--
28	CALCIUM	Leaf	5852.0	13300.0	-0.3510114574130655	--
47	BETA-SITOSTEROL	Root				--
47	BETA-SITOSTEROL	Seed				--
47	BETA-SITOSTEROL	Stem				--
47	BETA-SITOSTEROL	Leaf				--
47	BETA-SITOSTEROL	Seed Oil				--
47	BETA-SITOSTEROL	Flower				--
53	BETA-CAROTENE	Leaf	19.0	43.0	-0.9506764482123975	--
9	BETA-AMYRIN	Root				--
9	BETA-AMYRIN	Seed				--
9	BETA-AMYRIN	Stem				--
9	BETA-AMYRIN	Leaf				--
9	BENZYL-ALCOHOL	Seed				--
1	BEHENIC-ACID	Seed Oil		3000.0	-1.2213893416546542	--
1	BEHENIC-ACID	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
20	AUCUBIN	Root				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
20	AUCUBIN	Stem		600.0		--
20	AUCUBIN	Leaf		100.0	-1.1297063465489834	--
20	AUCUBIN	Plant		150.0	-0.3198520148637861	--
20	AUCUBIN	Shoot	25.0	13900.0		--
112	ASCORBIC-ACID	Leaf	341.0	776.0	-0.3719171852420888	--
2	ARENARIOSIDE	Plant		22.0		--
6	ARABINOGALACTAN	Flower				--
5	ALUMINUM	Leaf		1090.0	0.3892201259242459	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	ALPHA-SPINASTEROL	Fruit				--
10	ALPHA-AMYRIN	Root				--
10	ALPHA-AMYRIN	Stem				--
10	ALPHA-AMYRIN	Leaf				--