

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Verbascum thapsus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	CARBOHYDRATES	Leaf	353320.0	803000.0	1.5201450259731908	--
13	PALMITIC-ACID	Seed Oil		656000.0	3.1527427453153964	--
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.
0	WATER	Leaf		560000.0	-1.2354599137200606	--
0	FIBER(DIETARY)	Leaf		350000.0	-0.29464124786862994	--
8	STEARIC-ACID	Seed Oil		325000.0	1.7217050423196145	--
13	PALMITIC-ACID	Seed		309600.0	5.688451515633364	--
18	OLEIC-ACID	Seed	292000.0	300000.0	1.4870759326450875	--
0	FAT	Seed	35000.0	271000.0	0.029562564488382438	--
0	PROTEIN	Seed	178000.0	183000.0	-0.4518573267949109	Duke, J. A. Writeups or information summaries on approximately 2,000 economic plants, USDA, ARS, Beltsville, MD 20705.
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.
0	FIBER(CRUDE)	Leaf		111000.0	-0.42761482826376923	--
15	FIBER	Leaf		111000.0	-0.6249222392756235	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	PROTEIN	Leaf	47520.0	108000.0	-1.035954705344622	--
0	ASH	Leaf	37840.0	86000.0	-0.5788064877331136	--
0	ARACHIDIC-ACID	Seed Oil		16000.0	1.1596625611969296	--
20	AUCUBIN	Shoot	25.0	13900.0		--
28	CALCIUM	Leaf	5852.0	13300.0	-0.3510114574130655	--
14	POTASSIUM	Leaf	5808.0	13200.0	-0.7570441086555757	--
0	FAT	Leaf	5720.0	13000.0	-0.8660602512576238	--
4	PHOSPHORUS	Leaf	2508.0	5700.0	0.13404287578502	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	LATERIOSIDE	Plant		5390.0		--
3	MUCILAGE	Seed		3700.0	-1.2198632439349997	--
65	MAGNESIUM	Leaf	1421.0	3230.0	-0.34587713524983377	--
1	BEHENIC-ACID	Seed Oil		3000.0	-1.2213893416546542	--
0	KILOCALORIES	Leaf		2680.0	-0.5449589251776649	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THAPSIC-ACID	Flower		2300.0		--
5	ALUMINUM	Leaf		1090.0	0.3892201259242459	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
112	ASCORBIC-ACID	Leaf	341.0	776.0	-0.3719171852420888	--
1	SODIUM	Leaf	334.0	760.0	-0.5123036729552699	--
20	AUCUBIN	Stem		600.0		--
0	VERBACOSIDE	Plant		333.0		--
6	IRON	Leaf	104.0	236.0	-0.32238008504806986	--
20	AUCUBIN	Plant		150.0	-0.3198520148637861	--
20	AUCUBIN	Leaf		100.0	-1.1297063465489834	--
39	NIACIN	Leaf	42.0	95.0	-0.030418329796116125	--
6	HARPAGOSIDE	Plant		89.0		--
0	3,5-DIHYDROXY-6,7-DIMETHOXY-FLAVONE	Plant		80.0		--
0	AJUGOL	Plant		75.0		--
6	HARPAGIDE	Plant		70.0		--
0	6-O-(ALPHA-L-(2"-ISOFERULOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		69.0		--
0	6-O-(ALPHA-L-(3"-O-P-METHOXY-CINNAMOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		56.0		--
3	CATALPOL	Plant		50.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	6-O-(ALPHA-L-(4"-O-P-METHOXY-CINNAMOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		45.0		--
53	BETA-CAROTENE	Leaf	19.0	43.0	-0.9506764482123975	--
0	6-O-(ALPHA-L-(3"-ISOFERULOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		39.0		--
0	6-O-(ALPHA-L-(3"-O-P-COUMAROYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		37.0		--
0	6-O-(ALPHA-L-(2"-O-P-METHOXY-CINNAMOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		31.0		--
2	ARENARIOSIDE	Plant		22.0		--
0	6-O-(ALPHA-L-(2"-O-P-COUMAROYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		22.0		--
0	CATALPOL-6-O-(ALPHA-L-(3"-O-CAFFEOYL)-RHAMNOPYRANOSYL)	Plant		21.0		--
0	6-O-(ALPHA-L-(2"-P-METHOXY-CINNAMOYL-3"-O-ACETYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		20.0		--
0	6-O-(ALPHA-L-ISOFERULOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		19.0		--
0	6-O-VANILLOYL-AJUGOL	Plant		19.0		--
0	6-O-(ALPHA-L-(4"-O-P-COUMAROYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		17.0		--
2	COBALT	Leaf	6.0	12.8	-0.22280563230793393	--
14	MANGANESE	Leaf	5.3	12.0	-0.43993638289409226	--
4	TIN	Leaf	5.3	12.0	-0.4331991239429111	--
0	6-O-(ALPHA-L-(2"-FERULOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		10.0		--

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0	6-O-(ALPHA-L-(2"-O-P-METHOXY-CINNAMOYL-4"-O-ACETYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		9.0		--
0	6-O-(ALPHA-L-(4-CAFFEOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		9.0		--
0	6-O-(ALPHA-L-(3,3,4-DIEMTHOXY-CINNAMOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		9.0		--
0	6-O-(ALPHA-L-(4"-FERULOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		8.0		--
4	SILICON	Leaf	3.3	7.4	-0.39118183776763965	--
0	6-O-(ALPHA-L-(2"-O-CAFFEOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		6.0		--
0	6-O-(ALPHA-L-(2,3,4-DIMETHOXY-CINNAMOYL)-RHAMNOPYRANOSYL)-CATALPOL	Plant		5.0		--
0	6-O-(P-HYDROXY-BENZOYL)-AJUGOL	Plant		4.8		--
2	FORSYTHOSIDE-B	Plant		4.0		--
0	LEUCOSCEPTOSIDE-B	Plant		4.0		--
0	DEHYDRO-DICONIFERYL-GLUCOSIDE-G	Plant		2.4		--
0	DEHYDRO-DICONIFERYL-GLUCOSIDE-F	Plant		2.0		--
0	DEHYDRO-DICONIFERYL-GLUCOSIDE-E	Plant		1.5		--
24	CHROMIUM	Leaf	0.6	1.4	-0.52714700936206	--
15	RIBOFLAVIN	Leaf	0.5	1.1	-0.172705289047245	--
0	VERBASCUM-PHENYLETHANOID-GLYCOSIDE	Plant		1.0		--
0	VERBASCUM-LIGNAN-GLYCOSIDE-13	Plant		1.0		--
0	6-O-SYRINGOYL-AJUGOL	Plant		0.8		--

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0	DEHYDRO-DICONIFERYL-GLUCOSIDE-D	Plant		0.6		--
60	SELENIUM	Leaf	0.2	0.5	-0.34412954703445015	--
77	ZINC	Leaf	0.2	0.4	-0.524313284412666	--
0	THIAMINE	Leaf				--
47	BETA-SITOSTEROL	Stem				--
0	3-ALPHA-HYDROXYDRIMMANYL-8-METHANOATE	Plant				--
14	SUCROSE	Seed Oil				--
21	LUPEOL	Root				--
0	FUNGISTEROL	Seed Oil				--
47	BETA-SITOSTEROL	Leaf				--
9	BETA-AMYRIN	Seed				--
12	STIGMASTEROL	Root				--
21	LUPEOL	Stem				--
1	XYLOGLUCAN	Flower				--
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.
47	BETA-SITOSTEROL	Seed Oil				--
9	BETA-AMYRIN	Stem				--
12	STIGMASTEROL	Seed				--
21	LUPEOL	Leaf				--
0	ERGOSTEROL-PEROXIDE	Flower				--
0	HEPTAOSE	Root				--
9	BETA-AMYRIN	Leaf				--
12	STIGMASTEROL	Stem				--

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47	BETA-SITOSTEROL	Flower				--
47	BETA-SITOSTEROL	Seed				--
0	OCTAOSE	Root				--
9	BENZYL-ALCOHOL	Seed				--
12	STIGMASTEROL	Leaf				--
9	BETA-AMYRIN	Root				--
6	ARABINO GALACTAN	Flower				--
0	NONAOSE	Root				--
0	VERBASCOSAPONIN	Flower				--
5	SAPONINS	Plant				--
20	AUCUBIN	Root				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
2	ALPHA-SPINASTEROL	Fruit				--
11	ISORHAMNETIN	Flower				--
0	VERBASTEROL	Plant				--
1	BEHENIC-ACID	Flower				--
0	SAIKOGENIN-A	Fruit				--
13	ROTENONE	Leaf				--
10	ALPHA-AMYRIN	Root				--
0	HYDROXYTHAPSUINE-B	Fruit				--
0	VERATRIC-ACID	Fruit				--
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.

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10	CROCETIN	Flower				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	AUCUBIN-6-XYLOSIDE	Plant				--
10	ALPHA-AMYRIN	Stem				--
0	HYDROXYTHAPSUINE-A	Fruit				--
1	VERBASCOSE	Root				--
3	CATALPOL	Shoot				--
57	COUMARIN	Leaf				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	28-NOR-OLEANA-12,17-DIEN-3-BETA-23-DIOL	Fruit				--
0	THAPSUINE-B	Fruit				--
0	AUCUBIN-6-GLUCOSIDE	Plant				--
64	OLEANOLIC-ACID	Flower				--
0	6-O-BETA-XYLOXYL-AUCUBIN	Plant				--
10	ALPHA-AMYRIN	Leaf				--
2	CAMPESTEROL	Stem				--
0	5-ETHOXY-METHYL-FURFURAL	Fruit				--
0	THAPSUINE-A	Fruit				--
0	OLEANA-11,13(18)-DIEN-3-BETA-23,28-TRIOL	Fruit				--
0	AJUGOL-ACETATE	Plant				--
0	HARPAGIDE-ACETATE	Plant				--
47	BETA-SITOSTEROL	Root				--
2	TARAXASTEROL	Seed				--
31	THIAMIN	Leaf				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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3	MUCILAGE	Flower				--