

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Verbascum thapsus

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
10	ALPHA-AMYRIN	Stem	--	--		
10	ALPHA-AMYRIN	Root	--	--		
10	ALPHA-AMYRIN	Leaf	--	--		
2	ALPHA-SPINASTEROL	Fruit	--	--		
5	ALUMINUM	Leaf	--	1090	0.3892201259242459	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	ARABINOGALACTAN	Flower	--	--		
2	ARENARIOSIDE	Plant	--	22		
112	ASCORBIC-ACID	Leaf	341	776	-0.3719171852420888	
20	AUCUBIN	Stem	--	600		
20	AUCUBIN	Shoot	25	13900		
20	AUCUBIN	Root	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
20	AUCUBIN	Plant	--	150	-0.3198520148637861	
20	AUCUBIN	Leaf	--	100	-1.1297063465489834	
1	BEHENIC-ACID	Flower	--	--		
1	BEHENIC-ACID	Seed Oil	--	3000	-1.2213893416546542	
9	BENZYL-ALCOHOL	Seed	--	--		
9	BETA-AMYRIN	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	BETA-AMYRIN	Stem	--	--		
9	BETA-AMYRIN	Seed	--	--		
9	BETA-AMYRIN	Root	--	--		
53	BETA-CAROTENE	Leaf	19	43	-0.9506764482123975	
47	BETA-SITOSTEROL	Root	--	--		
47	BETA-SITOSTEROL	Seed Oil	--	--		
47	BETA-SITOSTEROL	Leaf	--	--		
47	BETA-SITOSTEROL	Stem	--	--		
47	BETA-SITOSTEROL	Flower	--	--		
47	BETA-SITOSTEROL	Seed	--	--		
28	CALCIUM	Leaf	5852	13300	-0.3510114574130655	
2	CAMPESTEROL	Stem	--	--		
3	CATALPOL	Shoot	--	--		
3	CATALPOL	Plant	--	50		
24	CHROMIUM	Leaf	0.6	1.4	-0.52714700936206	
2	COBALT	Leaf	6	12.8	-0.22280563230793393	
57	COUMARIN	Leaf	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
10	CROCETIN	Flower	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

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15	FIBER	Leaf	111000	111000	-0.6249222392756235	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	FORSYTHOSIDE-B	Plant	--	4		
6	HARPAGIDE	Plant	--	70		
6	HARPAGOSIDE	Plant	--	89		
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	IRON	Leaf	104	236	-0.32238008504806986	
11	ISORHAMNETIN	Flower	--	--		
27	LINOLEIC-ACID	Seed	48000	613000	4.33441124200899	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
21	LUPEOL	Stem	--	--		
21	LUPEOL	Leaf	--	--		
21	LUPEOL	Root	--	--		
65	MAGNESIUM	Leaf	1421	3230	-0.34587713524983377	
14	MANGANESE	Leaf	5.3	12	-0.43993638289409226	
3	MUCILAGE	Flower	--	--		
3	MUCILAGE	Seed	3700	3700	-1.2198632439349997	
39	NIACIN	Leaf	42	95	-0.030418329796116125	
64	OLEANOLIC-ACID	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
18	OLEIC-ACID	Seed	292000	300000	1.4870759326450875	
13	PALMITIC-ACID	Seed Oil	--	656000	3.1527427453153964	
13	PALMITIC-ACID	Seed	--	309600	5.688451515633364	
4	PHOSPHORUS	Leaf	2508	5700	0.13404287578502	
14	POTASSIUM	Leaf	5808	13200	-0.7570441086555757	
15	RIBOFLAVIN	Leaf	0.5	1.1	-0.172705289047245	
13	ROTENONE	Leaf	--	--		
5	SAPONINS	Plant	--	--		
60	SELENIUM	Leaf	0.2	0.5	-0.34412954703445015	
4	SILICON	Leaf	3.3	7.4	-0.39118183776763965	
1	SODIUM	Leaf	334	760	-0.5123036729552699	
8	STEARIC-ACID	Seed	--	164000	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	1.7217050423196145	
12	STIGMASTEROL	Stem	--	--		
12	STIGMASTEROL	Seed	--	--		
12	STIGMASTEROL	Root	--	--		
12	STIGMASTEROL	Leaf	--	--		
14	SUCROSE	Seed Oil	--	--		
2	TARAXASTEROL	Seed	--	--		

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31	THIAMIN	Leaf	--	--		Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
4	TIN	Leaf	5.3	12	-0.4331991239429111	
1	VERBASCOSE	Root	--	--		
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	XYLOGLUCAN	Flower	--	--		
77	ZINC	Leaf	0.2	0.4	-0.524313284412666	