

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ulmus rubra

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	MUCILAGE	Bark	41000.0	350000.0	1.0	--
5	STARCH	Bark	13120.0	210000.0	1.8603586442275013	--
15	FIBER	Bark		92000.0	-0.9340975708942237	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
35	TANNIN	Bark	30000.0	65000.0	-0.6655743179937075	--
28	CALCIUM	Bark	1602.0	9770.0	-0.8508922219141178	--
14	POTASSIUM	Bark	444.0	2710.0	-0.7118794255547221	--
65	MAGNESIUM	Bark	95.0	580.0	-0.7978764763909307	--
4	PHOSPHORUS	Bark	36.0	220.0	-0.8274253906754868	--
39	NIACIN	Bark	33.0	200.0	2.104604179683411	--
53	BETA-CAROTENE	Bark	4.0	25.0	0.7778259438536158	--
34	SALICYLIC-ACID	Bark		23.0		Luo, W., Ang, C. Y. W., Schmitt, T. C., Betz, J. M. 1998. Determination of Salicin and Related Compounds in Botanical Dietary Supplements by Liquid Chromatography with Fluorescence Detection. J Aoac Int, 81(4): 757-762.
5	ALUMINUM	Bark	3.6	22.0	-0.7439000789249773	--
4	TIN	Bark	2.6	16.0	0.4159231879939711	--
1	SODIUM	Bark	1.6	10.0	-0.5262399113885332	--
31	THIAMIN	Bark		5.0	2.1636579972822734	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	RIBOFLAVIN	Bark	0.7	4.1	0.31889318866969746	--
14	MANGANESE	Bark	0.3	1.9	-0.6638645681955431	--
2	COBALT	Bark	0.3	1.8	-0.49763977280155086	--
60	SELENIUM	Bark	0.3	1.5	-0.4079856019036855	--
24	CHROMIUM	Bark	0.2	1.0	-0.48598491785883197	--
112	ASCORBIC-ACID	Bark		0.0	-1.0104899665727316	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	CITROSTADIENOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	CALCIUM-OXALATE	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.
77	ZINC	Bark				--
1	CHOLESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	CAMPESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
47	BETA-SITOSTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Bark				--
7	GLUCOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	SILICON	Bark				--
8	FRUCTOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	PHYTOSTEROLS	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.