

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ulmus rubra

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	2-HYDROXY-5-ISOPROPYL-6-METHOXY-8-METHYL-3-NAPHTHALDEHYDE	Wood				--
0	2-HYDROXY-5-ISOPROPYL-8-METHYL-5,6,7,8-TETRAHYDRO-3-NAPHTH...	Plant				--
0	5-ISOPROPYL-3,8-DIMETHYL-2-NAPHTHOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	7-HYDROXYCALAMENAL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	7-HYDROXYCALAMENENE	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	ALPHA-SITOSTEROL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
5	ALUMINUM	Bark	3.6	22.0	-0.7439000789249773	--
112	ASCORBIC-ACID	Bark		0.0	-1.0104899665727316	--
0	ASH	Bark	12464.0	76000.0	-0.03696421978047823	--
53	BETA-CAROTENE	Bark	4.0	25.0	0.7778259438536158	--
47	BETA-SITOSTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Bark	1602.0	9770.0	-0.8508922219141178	--
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.
2	CAMPESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CARBOHYDRATES	Bark	134316.0	819000.0	0.4253002673770889	--

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1	CHOLESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
24	CHROMIUM	Bark	0.2	1.0	-0.48598491785883197	--
1	CITROSTADIENOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	COBALT	Bark	0.3	1.8	-0.49763977280155086	--
0	D-GALACTOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DOLICHOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FAT	Bark	1312.0	8000.0	-0.8086779671088092	--
15	FIBER	Bark		92000.0	-0.9340975708942237	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	FIBER(CRUDE)	Bark		92000.0	-0.6733163495891362	--
0	FIBER(DIETARY)	Bark		586000.0	1.506664728341349	--
8	FRUCTOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALACTURONIC-ACID	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
7	GLUCOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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0	HEXOSAN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Bark				--
0	KILOCALORIES	Bark		2740.0	0.19097823438993944	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	L-RHAMNOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
65	MAGNESIUM	Bark	95.0	580.0	-0.7978764763909307	--
14	MANGANESE	Bark	0.3	1.9	-0.6638645681955431	--
0	MANSONONE-C	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	METHYL-PENTOSAN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	MUCILAGE	Bark	41000.0	350000.0	1.0	--
39	NIACIN	Bark	33.0	200.0	2.104604179683411	--
0	PENTOSANS	Bark	120000.0	180000.0	1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Bark	36.0	220.0	-0.8274253906754868	--
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.
14	POTASSIUM	Bark	444.0	2710.0	-0.7118794255547221	--
0	PROTEIN	Bark	15908.0	97000.0	0.6596597557889142	--
15	RIBOFLAVIN	Bark	0.7	4.1	0.31889318866969746	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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.
60	SELENIUM	Bark	0.3	1.5	-0.4079856019036855	--
4	SILICON	Bark				--
1	SODIUM	Bark	1.6	10.0	-0.5262399113885332	--
5	STARCH	Bark	13120.0	210000.0	1.8603586442275013	--
0	SUGARS	Bark	14760.0	90000.0	0.9622504486493763	--
35	TANNIN	Bark	30000.0	65000.0	-0.6655743179937075	--
31	THIAMIN	Bark		5.0	2.1636579972822734	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THIAMINE	Bark	0.8	5.0	0.5000000000000001	--
4	TIN	Bark	2.6	16.0	0.4159231879939711	--
0	WATER	Bark		836000.0	0.6561250321199624	--
77	ZINC	Bark				--