

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Ulmus rubra

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
112	ASCORBIC-ACID	Bark		0.0	-1.0104899665727316	--
77	ZINC	Bark				--
65	MAGNESIUM	Bark	95.0	580.0	-0.7978764763909307	--
60	SELENIUM	Bark	0.3	1.5	-0.4079856019036855	--
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.
39	NIACIN	Bark	33.0	200.0	2.104604179683411	--
35	TANNIN	Bark	30000.0	65000.0	-0.6655743179937075	--
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.
31	THIAMIN	Bark		5.0	2.1636579972822734	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
28	CALCIUM	Bark	1602.0	9770.0	-0.8508922219141178	--
24	CHROMIUM	Bark	0.2	1.0	-0.48598491785883197	--
15	FIBER	Bark		92000.0	-0.9340975708942237	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	RIBOFLAVIN	Bark	0.7	4.1	0.31889318866969746	--
14	POTASSIUM	Bark	444.0	2710.0	-0.7118794255547221	--
14	MANGANESE	Bark	0.3	1.9	-0.6638645681955431	--
8	FRUCTOSE	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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7	GLUCOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	IRON	Bark				--
5	STARCH	Bark	13120.0	210000.0	1.8603586442275013	--
5	ALUMINIUM	Bark	3.6	22.0	-0.7439000789249773	--
4	PHOSPHORUS	Bark	36.0	220.0	-0.8274253906754868	--
4	TIN	Bark	2.6	16.0	0.4159231879939711	--
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.
4	SILICON	Bark				--
3	MUCILAGE	Bark	41000.0	350000.0	1.0	--
2	CAMPESTEROL	Wood				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.
2	COBALT	Bark	0.3	1.8	-0.49763977280155086	--
1	CITROSTADIENOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	CHOLESTEROL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	SODIUM	Bark	1.6	10.0	-0.5262399113885332	--
0	KILOCALORIES	Bark		2740.0	0.19097823438993944	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-SITOSTEROL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	WATER	Bark		836000.0	0.6561250321199624	--
0	7-HYDROXYCALAMENENE	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	HEXOSAN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
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.
0	7-HYDROXYCALAMENAL	Plant				J.S. Glasby Dict.Plis Containing 2ndary Metabolite. 1991.
0	CARBOHYDRATES	Bark	134316.0	819000.0	0.4253002673770889	--
0	5-ISOPROPYL-3,8-DIMETHYL-2-NAPTHOL	Wood				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.
0	2-HYDROXY-5-ISOPROPYL-8-METHYL-5,6,7,8-TETRAHYDRO-3-NAPTH...	Plant				--
0	METHYL-PENTOSAN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	2-HYDROXY-5-ISOPROPYL-6-METHOXY-8-METHYL-3-NAPHTHALDEHYDE	Wood				--
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	THIAMINE	Bark	0.8	5.0	0.5000000000000001	--

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0	FAT	Bark	1312.0	8000.0	-0.8086779671088092	--
0	SUGARS	Bark	14760.0	90000.0	0.9622504486493763	--
0	DOLICHOL	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ASH	Bark	12464.0	76000.0	-0.03696421978047823	--
0	FIBER(DIETARY)	Bark		586000.0	1.506664728341349	--
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	L-RHAMNOSE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FIBER(CRUDE)	Bark		92000.0	-0.6733163495891362	--
0	PROTEIN	Bark	15908.0	97000.0	0.6596597557889142	--