

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Salix alba

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	CARBOHYDRATES	Bark	132552.0	789000.0	0.1675425295727926	--
0	CATECHIN-TANNINS	Bark	30000.0	100000.0	-0.539163866017192	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
35	TANNIN	Bark	20160.0	120000.0	-0.18444943107840175	--
0	ASH	Bark	18480.0	110000.0	1.115087296711096	--
0	PROTEIN	Bark	16128.0	96000.0	0.6226380348007609	--
3	GLUCOMANNAN	Bark	13440.0	80000.0		--
15	SALICIN	Bark	4200.0	110000.0		--
28	CALCIUM	Bark	2369.0	14100.0	-0.4370254958547531	--
14	POTASSIUM	Bark	1651.0	9830.0	0.8279428053160491	--
65	MAGNESIUM	Bark	941.0	5600.0	2.6254909693205843	--
0	FAT	Bark	840.0	5000.0	-1.028138270682746	--
4	PHOSPHORUS	Bark	689.0	4100.0	2.414322016750521	--
1	SODIUM	Bark	20.0	120.0	-0.36966930405886916	--
39	NIACIN	Bark	17.0	99.0	0.5371806517826718	--
112	ASCORBIC-ACID	Bark	11.0	68.0	-0.7590997797668324	--
5	ALUMINUM	Bark	11.0	67.0	-0.5550396921739252	--
6	IRON	Bark	3.5	21.0	-0.8131913600294701	--
4	TIN	Bark	2.0	12.0	-0.08992933794464256	--
2	COBALT	Bark	1.6	9.8	-0.24303337741471084	--
14	MANGANESE	Bark	1.0	6.6	-0.6324201124151596	--
4	SILICON	Bark	0.5	2.9	-0.5225882245845488	--
77	ZINC	Bark	0.4	2.1	-1.0319449224659927	--
15	RIBOFLAVIN	Bark	0.3	1.7	-0.4728416245792071	--
60	SELENIUM	Bark	0.2	1.1	-0.4642594780283318	--
22	ISOQUERCITRIN	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALBOSIDE	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
9	DELPHINIDIN	Leaf				--
0	THIAMINE	Bark		0.0	-0.7500000000000002	--
0	RHAMNOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	QUERCIMERITRIN	Pollen Or Spore				--
3	XYLOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	5-HYDROXY-PIPECOLIC-ACID	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	CUPRESSUFLAVONE	Leaf		76.0		--
0	FIBER(DIETARY)	Bark		342000.0	-1.4343448213809635	--
0	SALIREPOSIDE	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
1	GALACTOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	RESIN	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	QUERCETIN-3,7-DI-O-BETA-D-GLUCOSIDE	Pollen Or Spore				--
0	WATER	Bark		832000.0	0.6414630202290136	--
3	4-O-METHYL-GLUCURONOXLAN	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

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30	(+)-CATECHIN	Leaf				--
1	SALIDROSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	FRAGILIN	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		94000.0	-0.6456728630957406	--
6	QUERCIMERITRIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
53	BETA-CAROTENE	Bark				--
0	QUERCETIN-3',7-DIETHYL-ETHER-3-O-BETA-D-GLUCOSIDE	Leaf				--
0	VIMALIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	LIGNIN	Wood		255000.0	-0.5502487987707242	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
30	(+)-CATECHIN	Bark				--
34	SALICYLIC-ACID	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.
15	FIBER	Bark		94000.0	-0.9117907632310781	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
2	TRIANDRIN	Leaf		0.09		--
176	QUERCETIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ASH	Wood		8700.0	-0.3367176185789884	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	PICEIN	Leaf		0.09		--
2	TRIANDRIN	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.
0	KILOCALORIES	Bark		2820.0	0.3946883510725415	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
7	ASTRAGALIN	Pollen Or Spore				--
0	SALICYL-ALCOHOL	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.
2	TRIANDRIN	Bark				--
24	PECTIN	Bark				--
22	ISOQUERCITRIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	L-ARABINOFURANAN	Bark				--
1	SALICORTIN	Leaf		0.27		--
0	CYANIDIN-3-GLUCOSIDE	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TREMULOIDIN	Leaf		0.2		--
101	APIGENIN	Leaf				--
0	NARCISSIN	Leaf				--
0	APIGENIN-7-O-(4-COUMAROYL-GLUCOSIDE)	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
31	THIAMIN	Bark		0.0	-0.6585046078685182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
15	SALICIN	Leaf		0.09		--
7	CYANIDIN	Leaf				--
0	TERNIFLORIN	Leaf				--
18	AMENTOFLAVONE	Leaf		120.0	1.0	--
0	PICEIN	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.
0	ARABINOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GLUCOMANNAN	Wood				--
0	HOLOCELLULOSE	Wood		752000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	SYRINGOSIDE	Shoot				--
0	ALKANES	Leaf				--
101	APIGENIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	GRANDIDENTATIN	Bark				--
0	HEMICELLULOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
5	STARCH	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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0	SALICASE	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
24	CHROMIUM	Bark		0.0	-0.5811206277170047	--
1	SALICORTIN	Bark				--
0	ALBOSIDE	Leaf				--
0	PENTOSANS	Wood		205000.0	-0.4229635455131569	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	ALPHA-GLUCAN	Wood				--
0	GRANDIDENTATUM	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
87	RUTIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
1	CELLULOSE	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
87	RUTIN	Leaf				--
43	CATECHIN	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.
25	P-COUMARIC-ACID	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.
0	ALPHA-CELLULOSE	Wood		444000.0	0.5004271402489433	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

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7	(+)-GALLOCATECHIN	Leaf				--
7	GLUCOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.