

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Salix alba

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
30	(+)-CATECHIN	Leaf				--
30	(+)-CATECHIN	Bark				--
7	(+)-GALLOCATECHIN	Leaf				--
3	4-O-METHYL-GLUCURONOXYLAN	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	ALBOSIDE	Leaf				--
0	ALBOSIDE	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	ALKANES	Leaf				--
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.
0	ALPHA-GLUCAN	Wood				--
5	ALUMINUM	Bark	11.0	67.0	-0.5550396921739252	--
18	AMENTOFLAVONE	Leaf		120.0	1.0	--
101	APIGENIN	Leaf				--
101	APIGENIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	APIGENIN-7-O-(4-COUMAROYL-GLUCOSIDE)	Leaf				--
0	ARABINOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
112	ASCORBIC-ACID	Bark	11.0	68.0	-0.7590997797668324	--

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	ASH	Bark	18480.0	110000.0	1.115087296711096	--
7	ASTRAGALIN	Pollen Or Spore				--
53	BETA-CAROTENE	Bark				--
28	CALCIUM	Bark	2369.0	14100.0	-0.4370254958547531	--
0	CARBOHYDRATES	Bark	132552.0	789000.0	0.1675425295727926	--
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.
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.
1	CELLULOSE	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
24	CHROMIUM	Bark		0.0	-0.5811206277170047	--
2	COBALT	Bark	1.6	9.8	-0.24303337741471084	--
0	CUPRESSUFLAVONE	Leaf		76.0		--
7	CYANIDIN	Leaf				--
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.
9	DELPHINIDIN	Leaf				--
0	FAT	Bark	840.0	5000.0	-1.028138270682746	--
15	FIBER	Bark		94000.0	-0.9117907632310781	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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0	FIBER(CRUDE)	Bark		94000.0	-0.6456728630957406	--
0	FIBER(DIETARY)	Bark		342000.0	-1.4343448213809635	--
0	FRAGILIN	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	GALACTOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
3	GLUCOMANNAN	Wood				--
3	GLUCOMANNAN	Bark	13440.0	80000.0		--
7	GLUCOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GRANDIDENTATIN	Bark				--
0	GRANDIDENTATUM	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HEMICELLULOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	HOLOCELLULOSE	Wood		752000.0		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
6	IRON	Bark	3.5	21.0	-0.8131913600294701	--
22	ISOQUERCITRIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
22	ISOQUERCITRIN	Leaf				--
0	KILOCALORIES	Bark		2820.0	0.3946883510725415	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.

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0	L-ARABINOFURANAN	Bark				--
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.
65	MAGNESIUM	Bark	941.0	5600.0	2.6254909693205843	--
14	MANGANESE	Bark	1.0	6.6	-0.6324201124151596	--
0	NARCISSIN	Leaf				--
39	NIACIN	Bark	17.0	99.0	0.5371806517826718	--
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.
24	PECTIN	Bark				--
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.
4	PHOSPHORUS	Bark	689.0	4100.0	2.414322016750521	--
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	PICEIN	Leaf		0.09		--
14	POTASSIUM	Bark	1651.0	9830.0	0.8279428053160491	--
0	PROTEIN	Bark	16128.0	96000.0	0.6226380348007609	--
176	QUERCETIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	QUERCETIN-3',7-DIEMTHYL-ETHER-3-O-BETA-D-GLUCOSIDE	Leaf				--

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0	QUERCETIN-3,7-DI-O-BETA-D-GLUCOSIDE	Pollen Or Spore				--
6	QUERCIMERITRIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
6	QUERCIMERITRIN	Pollen Or Spore				--
0	RESIN	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	RHAMNOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Bark	0.3	1.7	-0.4728416245792071	--
87	RUTIN	Leaf				--
87	RUTIN	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	SALICASE	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
15	SALICIN	Leaf		0.09		--
15	SALICIN	Bark	4200.0	110000.0		--
1	SALICORTIN	Bark				--
1	SALICORTIN	Leaf		0.27		--
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.

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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.
1	SALIDROSIDE	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	SALIREPOSIDE	Bark				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
60	SELENIUM	Bark	0.2	1.1	-0.4642594780283318	--
4	SILICON	Bark	0.5	2.9	-0.5225882245845488	--
1	SODIUM	Bark	20.0	120.0	-0.36966930405886916	--
5	STARCH	Bark				Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	SYRINGOSIDE	Shoot				--
35	TANNIN	Bark	20160.0	120000.0	-0.18444943107840175	--
0	TERNIFLORIN	Leaf				--
31	THIAMIN	Bark		0.0	-0.6585046078685182	Pedersen, M. 1987. Nutritional Herbology. Pederson Publishing. Bountiful, Utah. 377 pp.
0	THIAMINE	Bark		0.0	-0.7500000000000002	--
4	TIN	Bark	2.0	12.0	-0.08992933794464256	--
0	TREMULOIDIN	Leaf		0.2		--
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.
2	TRIANDRIN	Leaf		0.09		--

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2	TRIANDRIN	Bark				--
0	VIMALIN	Leaf				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	WATER	Bark		832000.0	0.6414630202290136	--
3	XYLOSE	Wood				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
77	ZINC	Bark	0.4	2.1	-1.0319449224659927	--