

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in Pinus strobus

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	CHRYSIN	Wood				--
9	PINOCEMBRIN	Wood				--
6	CONIFERYL-ALCOHOL	Bark				--
6	PINOSTROBIN	Bark				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
6	PINOSTROBIN	Wood				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
5	DEHYDROABIETIC-ACID	Resin, Exudate, Sap				--
5	PINOSYLVIN	Bark				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
4	NEOABIETIC-ACID	Resin, Exudate, Sap				--
3	ABIETIC-ACID	Resin, Exudate, Sap				--
3	DIHYDROPINOSYLVIN	Bark				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
3	MUCILAGE	Plant				Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	PINORESINOL	Bark				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
2	ISOPIMARIC-ACID	Resin, Exudate, Sap				--
2	ALPHA-HUMULENE	Leaf Essent. Oil				--
2	SANDARACOPIMARIC-ACID	Wood		22000.0		--
2	SANDARACOPIMARIC-ACID	Resin, Exudate, Sap				--
2	CONIFERIN	Bark				--
2	ISOPIMARIC-ACID	Wood				--
1	LEUCOCYANIDIN	Plant				--
1	RHODOXANTHIN	Leaf				--
0	3-BETA-HYDROXYANTICOPALIC-ACID	Resin, Exudate, Sap				--
0	MANOYOXIDE	Bark				--
0	TRANS-ABIENOL	Plant				--
0	CIS-ABIENOL	Plant				--
0	PIMARA-8,15-DIEN-18-ATE	Resin, Exudate, Sap				--
0	3-BETA-ACETOXY-ANTICOPALIC-ACID	Resin, Exudate, Sap				--
0	TECTOCHRYSIN	Wood				--
0	LEVOPIMARIC-ACID	Resin, Exudate, Sap				--
0	PINOQUERCETIN	Bark				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
0	LAEVOPIMARIC-ACID	Resin, Exudate, Sap				--
0	STROBOPININ	Wood				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ANTICOPALIC-ACID	Leaf				--
0	8-ALPHA-HYDROXY-LABD-13-TRANS-ENE-15-OIC-ACID	Resin, Exudate, Sap				--
0	PINOMYRICETIN	Bark				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
0	DIHYDROABIETIC-ACID	Wood		22000.0		--
0	STROBOL	Bark				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	AMINO-ACIDS	Seed		4620.0	-1.0	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	ANTICOPALIC-ACID	Wood				--
0	15-HYDROXY-DEHYDROABIETIC-ACID	Resin, Exudate, Sap				--
0	FAT	Plant				--
0	AMINO-ACIDS	Leaf		4530.0	-1.026724143160918	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	TETRADECYL-ACETATE	Leaf				--
0	STROBINIC-ACID	Resin, Exudate, Sap				--
0	EO	Root				--
0	PINOBANKSIN	Wood				--
0	15-HYDROXY-ABIETIC-ACID	Resin, Exudate, Sap				--
0	ELLIOTIC-ACID	Resin, Exudate, Sap				--
0	STROBIC-ACID	Resin, Exudate, Sap				--
0	STROBIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	CYCLOANTICOPALIC-ACID	Resin, Exudate, Sap				--
0	PIMARIC-ACID	Resin, Exudate, Sap				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	DEHYDROABIETATE	Resin, Exudate, Sap				--
0	3-BETA-METHOXY-14-SERRATEN-21-ON	Plant				--
0	SCLAREOLIC-ACID	Resin, Exudate, Sap				--
0	STROBAL	Bark				--
0	COMMUNIC-ACID	Resin, Exudate, Sap				--
0	PALUSTRIC-ACID	Resin, Exudate, Sap				--
0	ABIETATE	Resin, Exudate, Sap				--
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil				--
0	NUCLEIC-ACIDS	Plant				--
0	ABIETA-8-12-DIEN-18-ATE	Resin, Exudate, Sap				--
0	CRYPTOSTROBIN	Wood				Phenolic Compounds in Food and Their Effects on Health. Antioxidants & Cancer Prevention. Huang, M.T., Ho, C.T. and Lee, C.Y. eds. 1992. ACS Symposium Series 507.ACS, Washington 402 pp.
0	PINOSYLVIN-MONOMETHYL-ESTER	Plant				--
0	8-ALPHA-HYDROXYANTICOPALIC-ACID	Resin, Exudate, Sap				--
0	NEOABIETINIC-ACID	Plant				--
0	ABEOANTICOPALIC-ACID	Resin, Exudate, Sap				--
0	D-PINITOL	Fruit				--
0	3-OXO-ANTICOPALIC-ACID	Resin, Exudate, Sap				--