

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**Chemicals found in Pinus elliottii**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	EO	Resin, Exudate, Sap	200000.0	250000.0	1.2282400385323775	--
0	L-ALPHA-PINENE	Resin, Exudate, Sap	123000.0	189000.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	L-BETA-PINENE	Resin, Exudate, Sap	42400.0	85000.0		--
0	WATER	Resin, Exudate, Sap		20000.0	-1.5105922011044584	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	EO	Leaf		3000.0	-0.7507396833089339	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	PALUSTRIC-ACID	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
2	CREOSOL	Plant				--
4	NEOABIETIC-ACID	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	CADINENE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	CAMPHENE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	METHYLCREOSOL	Plant				--
13	BETA-PINENE	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
35	BORNEOL	Leaf				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ABIETIC-ACID	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	XYLENE	Plant				--
2	ISOPIMARIC-ACID	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	TRANS-COMMUNIC-ACID	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
18	GUAIACOL	Plant				--
1	TOLUENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	SANDARACOPIMARIC-ACID	Plant				--
0	PIMARIC-ACID	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
7	DIPENTENE	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
26	PHENOL	Plant				--
5	DEHYDROABIETIC-ACID	Resin, Exudate, Sap				CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses