

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Abies alba*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-FENCHENE	Leaf	50.0	70.0	4.43122346763744	--
60	LIMONENE	Leaf	855.0	1197.0	0.8114606080481381	--
0	TRICYCLENE	Leaf	45.0	63.0	0.5496290114333532	--
28	ALPHA-PINENE	Plant	590.0	826.0	0.103074737609829	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
9	CAMPHENE	Leaf	528.0	738.0	0.08626138487834419	--
13	BETA-PINENE	Leaf	218.0	304.0	0.019267779959206085	--
22	MYRCENE	Leaf	25.0	35.0	-0.1600457060081973	--
9	TERPINOLENE	Leaf	28.0	38.0	-0.1836873778914288	--
5	SABINENE	Leaf	5.0	7.0	-0.2567488872230184	--
11	ALPHA-PHELLANDRENE	Leaf	5.0	7.0	-0.30935714579220713	--
11	GAMMA-TERPINENE	Leaf	8.0	10.0	-0.3526419772681357	--
16	P-CYMENE	Leaf	25.0	35.0	-0.37103559986814266	--
3	BETA-PHELLANDRENE	Plant	32.0	46.0	-0.387752999228035	--
8	DELTA-3-CARENE	Leaf	2.0	4.0	-0.4250752105699259	--
0	EO	Leaf	2500.0	3500.0	-0.7067597788859685	--
3	ABIETIC-ACID	Resin, Exudate, Sap				--
0	SANTENE	Leaf	45.0	63.0		--
0	L-BORNYL-ACETATE	Leaf				--
34	SALICYLIC-ACID	Plant				--
0	L-ALPHA-PINENE	Leaf				--
0	BETA-FENCHENE	Leaf	5.0	7.0		--
0	ALPHA-THUJENE	Leaf				--
0	PALUSTRINIC-ACID	Resin, Exudate, Sap				--
28	ALPHA-PINENE	Resin, Exudate, Sap				--
8	DELTA-3-CARENE	Resin, Exudate, Sap				--
60	LIMONENE	Resin, Exudate, Sap				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	NEOABIETINIC-ACID	Resin, Exudate, Sap				--
0	DECYL-ALDEHYDE	Leaf				--
11	MALTOL	Plant				--
0	CYCLOFENCHENE	Leaf		1.0		--
0	ALPHA-&-BETA-ABIETINOLIC-ACID	Resin, Exudate, Sap				--
0	LAURALDEHYDE	Leaf				--
0	BORNYLENE	Leaf	1.0	2.0		--
0	ABIETOSPIRONE	Plant				--
0	LAEVOPIMARIC-ACID	Resin, Exudate, Sap				--
13	BETA-PINENE	Resin, Exudate, Sap				--
0	ABIETINOLIC-ACID	Resin, Exudate, Sap				--
7	SUCCINIC-ACID	Resin, Exudate, Sap				--
2	L-LIMONENE	Leaf				--