

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Abies alba*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ABIETIC-ACID	Resin, Exudate, Sap	--	--		
0	ABIETINOLIC-ACID	Resin, Exudate, Sap	--	--		
0	ABIETOSPIRONE	Plant	--	--		
0	ALPHA-&-BETA-ABIETINOLIC-ACID	Resin, Exudate, Sap	--	--		
0	ALPHA-FENCHENE	Leaf	50	70	4.43122346763744	
11	ALPHA-PHELLANDRENE	Leaf	5	7	-0.30935714579220713	
28	ALPHA-PINENE	Plant	590	826	0.103074737609829	Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980.
28	ALPHA-PINENE	Resin, Exudate, Sap	--	--		
0	ALPHA-THUJENE	Leaf	--	--		
0	BETA-FENCHENE	Leaf	5	7		
3	BETA-PHELLANDRENE	Plant	32	46	-0.387752999228035	
13	BETA-PINENE	Resin, Exudate, Sap	--	--		
13	BETA-PINENE	Leaf	218	304	0.019267779959206085	
0	BORNYLENE	Leaf	1	2		
9	CAMPHENE	Leaf	528	738	0.08626138487834419	
0	CYCLOFENCHENE	Leaf	1	1		
0	DECYL-ALDEHYDE	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	DELTA-3-CARENE	Leaf	2	4	-0.4250752105699259	
8	DELTA-3-CARENE	Resin, Exudate, Sap	--	--		
0	EO	Leaf	2500	3500	-0.7067597788859685	
11	GAMMA-TERPINENE	Leaf	8	10	-0.3526419772681357	
0	L-ALPHA-PINENE	Leaf	--	--		
0	L-BORNYL-ACETATE	Leaf	--	--		
2	L-LIMONENE	Leaf	--	--		
0	LAEVOPIMARIC-ACID	Resin, Exudate, Sap	--	--		
0	LAURALDEHYDE	Leaf	--	--		
60	LIMONENE	Leaf	855	1197	0.8114606080481381	
60	LIMONENE	Resin, Exudate, Sap	--	--		
11	MALTOL	Plant	--	--		
22	MYRCENE	Leaf	25	35	-0.1600457060081973	
0	NEOABIETINIC-ACID	Resin, Exudate, Sap	--	--		
16	P-CYMENE	Leaf	25	35	-0.37103559986814266	
0	PALUSTRINIC-ACID	Resin, Exudate, Sap	--	--		
5	SABINENE	Leaf	5	7	-0.2567488872230184	
34	SALICYLIC-ACID	Plant	--	--		
0	SANTENE	Leaf	45	63		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
7	SUCCINIC-ACID	Resin, Exudate, Sap	--	--		
9	TERPINOLENE	Leaf	28	38	-0.1836873778914288	
0	TRICYCLEN	Leaf	45	63	0.5496290114333532	