

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

**Chemicals found in Pinus kesiya**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Resin, Exudate, Sap	270000.0	941000.0	1.2421987829924845	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	TURPENTINE	Resin, Exudate, Sap	190000.0	234000.0	-0.707106781186547	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
35	TANNIN	Bark	70000.0	100000.0	-0.3594039354112402	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
13	BETA-PINENE	Resin, Exudate, Sap	26000.0	650000.0	1.2239988032661973	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
9	CAMPHENE	Resin, Exudate, Sap	10000.0	20000.0	-0.7071067811865472	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
0	LONGIFOLENE	Resin, Exudate, Sap				ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
3	ABIETIC-ACID	Resin, Exudate, Sap		740000.0	0.7071067811865475	ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.