

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in Piper betel

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	4-ALLYL-PYROCATECHOL	Leaf	--	--		
1	ARECAIDINE	Plant	--	--		
25	ARECOLINE	Plant	--	--		
112	ASCORBIC-ACID	Leaf	43	2130	-0.2462832387368517	
2	ASPARAGINE	Leaf	--	--		
53	BETA-CAROTENE	Leaf	19	175	-0.37582350890658794	
4	CADINENE	Leaf	50	3800	-1	
28	CALCIUM	Leaf	2300	15750	-0.18360872621418833	
37	CARVACROL	Leaf	45	2350	3.222963257076183	
31	CARYOPHYLLENE	Leaf	60	5000	2.1210397339256697	
3	CHAVICOL	Leaf	100	7000	-1	
12	ESTRAGOLE	Leaf	--	6130	-0.27090395304983655	
76	EUGENOL	Leaf	535	17850	1.2809856325817552	
5	EUGENOL-METHYL-ETHER	Leaf	80	6635	2.155709789419842	
15	FIBER	Leaf	23000	157500	-0.04989641634679875	
22	GABA	Plant	--	--		
7	GLUCOSE	Leaf	14000	32000	-0.32640677414087715	
3	HYDROXY-CHAVICOL	Leaf	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	IRON	Leaf	35	240	-0.31224113495189265	
39	NIACIN	Leaf	6	48	-0.6021070257489586	
5	ORNITHINE	Leaf	--	--		
9	OXALIC-ACID	Leaf	--	--		
16	P-CYMENE	Leaf	25	1050	0.4722231642693859	
4	PHOSPHORUS	Leaf	400	2740	-0.4105585761191793	
15	RIBOFLAVIN	Leaf	0.2	2	-0.16848655199175794	
5	STARCH	Leaf	10000	31000	-0.12596694486365365	
14	SUCROSE	Leaf	6000	25000	-0.08410495842358359	
35	TANNIN	Leaf	10000	20500	-1.0990873207502265	
31	THIAMIN	Leaf	0.1	4.8	-0.7303840792256565	