

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

**Chemicals Found in *Alpinia officinarum***

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,7-DIPHENYL-5-HYDROXY-3-HEPTANONE	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	1,7-DIPHENYL-5-HYDROXYHEPTAN-3-ONE	Rhizome	--	--		
0	1,7-DIPHENYLHEPT-4-EN-3-ONE	Rhizome	--	--		
67	1,8-CINEOLE	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	1-(4-HYDROXYPHENYL)-7-PHENYLHEPTANE-3,5-DIOL	Rhizome	--	10		
0	1-PHENYL-7-(4''-HYDROXYPHENYL)-HEPT-4-EN-3-ONE	Rhizome	--	8		
0	1-PHENYL-7-(4'-HYDROXY-3'-METHOXYPHENYL)-HEPTAN-3-ONE	Rhizome	--	--		
0	3,5,7-TRIHYDROXYFLAVONE	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	5-EPIDIHYDROYASHABUSHIKETOL	Rhizome	--	65		
0	5-EPIHEXAHYDROCURCUMIN	Rhizome	--	5		
0	5-HYDROXY-1,7-DIPHENYLHEPTAN-3-ONE	Rhizome	--	137		
0	5-HYDROXY-1-PHENYL-7-(4''-HYDROXY-3''-METHOXYPHENYL)-HEPTAN-3-ONE	Rhizome	--	330		
0	5-HYDROXY-7-(4''-HYDROXY-3''-METHOXYPHENYL)-1-PHENYLHEPTAN-3-ONE	Rhizome	--	367		
0	5-HYDROXY-7-(4''-HYDROXYPHENYL)-1-PHENYLHEPTAN-3-ONE	Rhizome	--	30		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	5-HYDROXY-7-(4'-HYDROXY-3'-METHOXYPHENYL)-1-PHENYL-3-HEPT...	Plant	--	--		
0	5-HYDROXY-7-(4'-HYDROXY-3'-METHOXYPHENYL)-PHENYL-3-HEPTANONE	Plant	--	--		
0	5-HYDROXY-7-(4'-HYDROXYPHENYL)1-PHENYL-3-HEPTANONE	Rhizome	--	--		Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of Glycyrrhiza-glabra. Nippon Gogeikagaku Kaishi 61(9): 1119-1122.
0	5-HYDROXY-7-(4-HYDROXY-3-METHOXYPHENYL)-1-PHENYL-HEPTANONE	Plant	--	--		
0	5-METHOXY-1,7-DIPHENYLHEPTAN-3-ONE	Rhizome	--	110		
0	5-METHOXY-7-(4'-HYDROXY-3''-METHOXYPHENYL)-1-PHENYLHEPTAN-3-ONE	Rhizome	--	12		
0	5-METHOXY-7-(4'-HYDROXY-3'METHOXYPHENYL)-1-PHENYL-3-HEPTA...	Plant	--	--		
0	5-METHOXYPHENYL-7-(4''-HYDROXYPHENYL)-HEPTAN-3-ONE	Rhizome	--	4		
0	7-(4''-HYDROXY-3'-METHOXY-PHENYL)-PHENYLHEPT-3,5-DIONE	Rhizome	--	1.6		
0	7-(4'-HYDROXY-3'-METHOXYPHENYL)-1-PHENYL-3,5-HEPTADIONE	Rhizome	--	--		
0	7-(4'-HYDROXY-3'-METHOXYPHENYL)-1-PHENYLHEPT-4-EN-3-ONE	Rhizome	--	48		
0	7-(4'-HYDROXY-3'-METHOXYPHENYL)-PHENYLHEPT-4-EN-3-ONE	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	7-HYDROXY-3,5-DIMETHOXYFLAVONE	Rhizome	--	--		Wealth of India.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALPHA-CADINENE	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	ALPINOL	Rhizome	--	--		
5	BETA-ELEMENE	Rhizome	--	--		Wealth of India.
13	BETA-PINENE	Rhizome	--	--		Wealth of India.
9	CAMPHENE	Rhizome	--	--		Wealth of India.
41	CAMPHOR	Rhizome	--	--		Wealth of India.
0	D-ALPHA-PINENE	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
9	DELTA-CADINENE	Rhizome	--	--		Wealth of India.
0	DIARYLHEPTANOIDS	Rhizome	--	--		
0	DIHYDROYASHABUSHIKETOL	Rhizome	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
0	DIOXYFLAVONAL	Plant	--	--		
0	EO	Rhizome	3000	10000	-0.5317116167359565	
76	EUGENOL	Rhizome	90	400	-0.6979831170877149	
3	FLUORIDE	Rhizome	--	5.4	-1	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	GALANGIN	Rhizome	1000	1000		
0	GALANGIN-3-METHYL-ETHER	Rhizome	--	--		
0	GALANGOL	Rhizome	--	--		
0	GAMMA-CADINENE	Rhizome	--	--		Wealth of India.
0	GINGEROLS	Rhizome	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
11	ISORHAMNETIN	Rhizome	--	--		Wealth of India.
0	IZALPIN	Rhizome	--	--		
0	KAEMPFERID	Rhizome	600	800		
5	KAEMPFERIDE	Rhizome	600	800		
75	KAEMPFEROL	Rhizome	--	--		
60	LIMONENE	Rhizome	--	--		Wealth of India.
0	LINALOL	Rhizome	--	--		
53	LINALOOL	Rhizome	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
14	MANGANESE	Plant	--	--		
5	METHYL-CINNAMATE	Plant	--	--		
2	METHYL-ISOVALERATE	Rhizome	--	--		Wealth of India.
16	P-CYMENE	Rhizome	--	--		Wealth of India.
1	PHENYL-ALKYL-KETONES	Rhizome	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.
176	QUERCETIN	Rhizome	--	--		
2	QUERCETIN-3'-METHYLETHER	Rhizome	--	--		Wealth of India.
7	RHAMNOCITRIN	Rhizome	--	--		Wealth of India.
5	STARCH	Rhizome	200000	250000	-1.1706719629335678	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	STEROLS	Rhizome	--	--		Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

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35	TANNIN	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
23	TERPINEN-4-OL	Rhizome	--	--		Wealth of India.
0	TRANS-ALPHA-BERGAMOTENE	Rhizome	--	--		Wealth of India.
0	YAKUCHINONE	Rhizome	--	--		