

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Alpinia galanga*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	1'-ACETOXY-EUGENOL-ACETATE	Fruit	--	47		
3	1'-ACETOXY-EUGENOL-ACETATE	Rhizome	--	130		
3	1'-ACETOXY-EUGENOL-ACETATE	Seed	--	570		
3	1'-ACETOXY-EUGENOL-ACETATE	Root	--	--		
5	1'-ACETOXYCHAVICOL-ACETATE	Root	--	--		
5	1'-ACETOXYCHAVICOL-ACETATE	Leaf	--	--		
5	1'-ACETOXYCHAVICOL-ACETATE	Seed	960	15000		
5	1'-ACETOXYCHAVICOL-ACETATE	Rhizome	770	27300		
5	1'-ACETOXYCHAVICOL-ACETATE	Fruit	--	--		
67	1,8-CINEOLE	Leaf	--	10	-0.528938235441155	
67	1,8-CINEOLE	Rhizome	1	22700	1.8327934816656402	
3	4-HYDROXYBENZALDEHYDE	Rhizome	--	30		
3	ALANINE	Leaf	--	--		
2	ALPHA-HUMULENE	Rhizome	--	--		
28	ALPHA-PINENE	Leaf Essent. Oil	--	11600	-0.6893411812730241	
28	ALPHA-PINENE	Rhizome Essent. Oil	--	11600	-0.48077129547612496	
28	ALPHA-PINENE	Leaf	--	900	-0.16611243060616598	
28	ALPHA-PINENE	Rhizome	5	555	0.2020305089104413	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
23	ALPHA-TERPINEOL	Rhizome	--	--		
3	AR-CURCUMENE	Rhizome	--	--		
14	ARGININE	Leaf	--	--		
112	ASCORBIC-ACID	Rhizome	260	1844	1.9734671239129031	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Leaf	--	--		
6	BETA-BISABOLENE	Leaf Essent. Oil	--	5700	-0.9926246807613248	
6	BETA-BISABOLENE	Rhizome Essent. Oil	--	5700	-1	
6	BETA-BISABOLENE	Leaf	--	305	-0.09668384915000608	
6	BETA-BISABOLENE	Rhizome	2	7775	1	
53	BETA-CAROTENE	Rhizome	15	108	1.413458979716062	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
13	BETA-PINENE	Rhizome Essent. Oil	--	400	-1.1990012482664167	
13	BETA-PINENE	Leaf	--	170	-0.17838109246360231	
13	BETA-PINENE	Rhizome	1	20	-1.3074028933658497	
13	BETA-PINENE	Leaf Essent. Oil	--	0.1	-1.022967739867963	
5	BETA-SESQUIPELLANDRENE	Rhizome	--	--		
35	BORNEOL	Leaf Essent. Oil	--	41300	-0.12057610587426763	
35	BORNEOL	Rhizome	--	--		
35	BORNEOL	Leaf	--	410	0.03200307936239706	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
12	BORNYL-ACETATE	Leaf	--	140	-0.33354981377671333	
4	CADINENE	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
28	CALCIUM	Rhizome	310	2199	-1.029035889419005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	CAMPHENE	Rhizome	--	--		
41	CAMPHOR	Rhizome Essent. Oil	--	--		
41	CAMPHOR	Rhizome	--	--		
8	CARYOPHYLLENE-OXIDE	Leaf	--	100	-0.021104757556764116	
8	CARYOPHYLLENE-OXIDE	Seed	--	--		
8	CARYOPHYLLENE-OXIDE	Leaf Essent. Oil	--	10400	0.3753129945230765	
8	CARYOPHYLLENE-OXIDE	Rhizome	--	--		
3	CHAVICOL	Rhizome	--	--		
76	EUGENOL	Rhizome	100	12000	1.414174489403805	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
1	EUGENOL-ACETATE	Rhizome	--	--		
5	EUGENOL-METHYL-ETHER	Rhizome	--	--		
15	FIBER	Rhizome	31000	220000	0.4658566512295148	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	GALANGIN	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
13	GALANGIN	Root	--	--		
4	GALANOLACTONE	Seed	--	22		
11	GAMMA-TERPINENE	Rhizome	--	--		
8	GLUTAMIC-ACID	Leaf	--	--		
12	GLYCINE	Leaf	--	--		
7	HISTIDINE	Leaf	--	--		
6	IRON	Rhizome	21	149	-0.6337895628464192	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ISOLEUCINE	Leaf	--	--		
5	KAEMPFERIDE	Rhizome	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
2	LEUCINE	Leaf	--	--		
60	LIMONENE	Rhizome Essent. Oil	--	3500	-0.6357397413333852	
60	LIMONENE	Leaf	--	50	-0.3951841849503761	
60	LIMONENE	Rhizome	1	165	-0.8992219200540644	
60	LIMONENE	Leaf Essent. Oil	--	0.4	-0.6782227076561912	
53	LINALOOL	Rhizome	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
4	LYSINE	Leaf	--	--		
15	METHIONINE	Leaf	--	--		
5	METHYL-CINNAMATE	Rhizome	192	23040		
22	MYRCENE	Rhizome	3	45365	1	
22	MYRCENE	Leaf Essent. Oil	--	945100	3.3129178351863113	
22	MYRCENE	Leaf	--	5235	1.7163875913621174	
22	MYRCENE	Rhizome Essent. Oil	--	945100	1	
39	NIACIN	Rhizome	10	71	-0.858429840924418	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	P-CYMENE	Rhizome	--	--		
7	PHENYLALANINE	Leaf	--	--		
4	PHOSPHORUS	Rhizome	250	1773	-1.6394770420886036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
15	RIBOFLAVIN	Rhizome	--	1	-1.089628007825215	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Rhizome	--	--		
1	SERINE	Leaf	--	--		
5	STARCH	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	--	--		

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23	TERPINEN-4-OL	Plant	--	--		Abstract (See species file)
9	TERPINOLENE	Rhizome	--	--		
31	THIAMIN	Rhizome	1	4	-0.7518094115561123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Leaf	--	--		
2	TRANS-BETA-FARNESENE	Rhizome	4	8735	1	
2	TRANS-BETA-FARNESENE	Leaf	--	130	1.1005355214306811	
29	TRYPTOPHAN	Leaf	--	--		
8	TYROSINE	Leaf	--	--		
3	VALINE	Leaf	--	--		