

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Alpinia galanga*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	(+)-PINENE	Rhizome Essent. Oil				--
0	(Z)-BETA-OCIMENE	Rhizome	8.0	985.0		--
0	(Z)-BETA-OCIMENE	Leaf		1705.0	1.4142018319896454	--
3	1'-ACETOXY-EUGENOL-ACETATE	Root				--
3	1'-ACETOXY-EUGENOL-ACETATE	Seed		570.0		--
3	1'-ACETOXY-EUGENOL-ACETATE	Rhizome		130.0		--
3	1'-ACETOXY-EUGENOL-ACETATE	Fruit		47.0		--
5	1'-ACETOXYCHAVICOL-ACETATE	Leaf				--
5	1'-ACETOXYCHAVICOL-ACETATE	Fruit				--
5	1'-ACETOXYCHAVICOL-ACETATE	Rhizome	770.0	27300.0		--
5	1'-ACETOXYCHAVICOL-ACETATE	Seed	960.0	15000.0		--
5	1'-ACETOXYCHAVICOL-ACETATE	Root				--
0	1'-HYDROXYCHAVICOL-ACETATE	Rhizome				--
0	1,8-CINEOL	Leaf Essent. Oil		1300.0	-1.0111494433063628	--
0	1,8-CINEOL	Rhizome Essent. Oil	1300.0	300000.0		--
67	1,8-CINEOLE	Rhizome	1.0	22700.0	1.8327934816656402	--
67	1,8-CINEOLE	Leaf		10.0	-0.528938235441155	--
0	2-METHYL-PROPAN-1-OL-ACETATE	Rhizome				--
3	4-HYDROXYBENZALDEHYDE	Rhizome		30.0		--
0	7-HEPTADECANE	Seed				Wealth of India.
0	8,17-EPOXY-LABD-TRANS-12-ENE-15,16-DIAL	Seed				--
0	8-BETA-17-EPOXY-LABD-TRANS-2-ENE-15,16-DIAL	Seed		149.0		--
0	8-BETA-17-EPOXY-LABD-TRANS-2-ENE-15,16-DIAL	Root		13.0		--
0	AFRAMODIAL	Seed		10.0	-1.0	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	ALANINE	Leaf				--
0	ALPHA-BERGAMOTENE	Rhizome				--
0	ALPHA-COPAENE	Rhizome				--
2	ALPHA-HUMULENE	Rhizome				--
28	ALPHA-PINENE	Rhizome	5.0	555.0	0.2020305089104413	--
28	ALPHA-PINENE	Leaf Essent. Oil		11600.0	-0.6893411812730241	--
28	ALPHA-PINENE	Leaf		900.0	-0.16611243060616598	--
28	ALPHA-PINENE	Rhizome Essent. Oil		11600.0	-0.48077129547612496	--
23	ALPHA-TERPINEOL	Rhizome				--
3	AR-CURCUMENE	Rhizome				--
14	ARGININE	Leaf				--
112	ASCORBIC-ACID	Rhizome	260.0	1844.0	1.9734671239129031	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	ASH	Rhizome	10000.0	71000.0	-0.6868308798699451	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
3	ASPARTIC-ACID	Leaf				--
0	BASSORIN	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
6	BETA-BISABOLENE	Rhizome	2.0	7775.0	1.0	--
6	BETA-BISABOLENE	Leaf		305.0	-0.09668384915000608	--
6	BETA-BISABOLENE	Rhizome Essent. Oil		5700.0	-1.0	--
6	BETA-BISABOLENE	Leaf Essent. Oil		5700.0	-0.9926246807613248	--
53	BETA-CAROTENE	Rhizome	15.0	108.0	1.413458979716062	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	BETA-CARYOPHYLLENE	Rhizome Essent. Oil		1100.0	1.0	--
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil		1100.0	-0.3994527618742238	--
0	BETA-CARYOPHYLLENE	Rhizome		50.0	1.0	--
0	BETA-CARYOPHYLLENE	Leaf		350.0	-0.1634629715862706	--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BETA-FARNESENE	Leaf Essent. Oil		9400.0	1.0	--
0	BETA-FARNESENE	Rhizome Essent. Oil		9400.0		--
13	BETA-PINENE	Rhizome	1.0	20.0	-1.3074028933658497	--
13	BETA-PINENE	Leaf		170.0	-0.17838109246360231	--
13	BETA-PINENE	Rhizome Essent. Oil		400.0	-1.1990012482664167	--
13	BETA-PINENE	Leaf Essent. Oil		0.1	-1.022967739867963	--
5	BETA- SESQUIPHELLANDRENE	Rhizome				--
35	BORNEOL	Leaf		410.0	0.03200307936239706	--
35	BORNEOL	Rhizome				--
35	BORNEOL	Leaf Essent. Oil		41300.0	-0.12057610587426763	--
0	BORNEOL-ACETATE	Rhizome				--
0	BORNEOL-ACETATE	Leaf Essent. Oil		13800.0	-0.4742544201806411	--
12	BORNYL-ACETATE	Leaf		140.0	-0.33354981377671333	--
0	BUTAN-1-OL-ACETATE	Rhizome				--
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	310.0	2199.0	-1.029035889419005	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
9	CAMPHENE	Rhizome				--
41	CAMPHOR	Rhizome				--
41	CAMPHOR	Rhizome Essent. Oil				--
0	CARBOHYDRATES	Rhizome	117000.0	830000.0	0.7250411671294028	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	CARVEOL-I	Rhizome				--
0	CARVEOL-II	Rhizome				--
0	CARYOPHYLLENE-I	Seed				--
8	CARYOPHYLLENE-OXIDE	Seed				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
8	CARYOPHYLLENE-OXIDE	Leaf		100.0	-0.021104757556764116	--
8	CARYOPHYLLENE-OXIDE	Rhizome				--
8	CARYOPHYLLENE-OXIDE	Leaf Essent. Oil		10400.0	0.3753129945230765	--
0	CARYOPHYLLENOL-I	Seed				Chemical Constituents of Oriental Herbs (3 diff. books)
0	CARYOPHYLLENOL-II	Seed				--
3	CHAVICOL	Rhizome				--
0	CHAVICOL-ACETATE	Rhizome				--
0	CINEOLE	Rhizome	80.0	14400.0		Guenther, E., The Essential Oils, 6 volumes, D. van Nostrand, New York, 1948-1952.
0	CINNAMIC-ACID-METHYL-ESTER	Rhizome Essent. Oil		480000.0		--
0	CIS-BETA-OCIMENE	Rhizome Essent. Oil		20500.0		--
0	CIS-BETA-OCIMENE	Leaf Essent. Oil		20500.0		--
0	CITRONELLOL-ACETATE	Rhizome				--
0	D-PINENE	Rhizome				--
0	DI-(P-HYDROXY-CIS-STYRYL)-METHANE	Rhizome		5.0		--
0	EO	Leaf		10000.0	-0.13502102138741875	--
0	EO	Rhizome	400.0	48000.0	0.028787012954727756	--
76	EUGENOL	Rhizome	100.0	12000.0	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				--
0	FAT	Rhizome	4000.0	28000.0	-0.3793278967226343	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	FIBER	Rhizome	31000.0	220000.0	0.4658566512295148	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	GALANAL-A	Rhizome				--
0	GALANAL-A	Seed				--
0	GALANAL-B	Rhizome				--
0	GALANAL-B	Seed				--
13	GALANGIN	Root				--
13	GALANGIN	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALANGIN-3-METHYL-ETHER	Root				--
0	GALANGIN-METHYL-ETHER	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
0	GALANGOL	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	GALANOLACTONE	Seed		22.0		--
11	GAMMA-TERPINENE	Rhizome				--
0	GERANIOL-ACETATE	Rhizome				--
8	GLUTAMIC-ACID	Leaf				--
12	GLYCINE	Leaf				--
7	HISTIDINE	Leaf				--
6	IRON	Rhizome	21.0	149.0	-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.
0	LABDA-8(17),12-DIENE-15,16-DIAL	Seed				--
2	LEUCINE	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
60	LIMONENE	Leaf		50.0	-0.3951841849503761	--
60	LIMONENE	Leaf Essent. Oil		0.4	-0.6782227076561912	--
60	LIMONENE	Rhizome	1.0	165.0	-0.8992219200540644	--
60	LIMONENE	Rhizome Essent. Oil		3500.0	-0.6357397413333852	--
53	LINALOOL	Rhizome				--
4	LYSINE	Leaf				--
15	METHIONINE	Leaf				--
5	METHYL-CINNAMATE	Rhizome	192.0	23040.0		--
22	MYRCENE	Rhizome Essent. Oil		945100.0	1.0	--
22	MYRCENE	Leaf Essent. Oil		945100.0	3.3129178351863113	--
22	MYRCENE	Rhizome	3.0	45365.0	1.0	--
22	MYRCENE	Leaf		5235.0	1.7163875913621174	--
0	N-HEPTADECENE	Seed				--
0	N-TRIDECANE	Rhizome				--
0	NEROL-ACETATE	Rhizome				--
39	NIACIN	Rhizome	10.0	71.0	-0.858429840924418	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
16	P-CYMENE	Rhizome				--
0	P-CYMENOL	Rhizome				--
0	P-HYDROXYCINNAMALDEHYDE	Rhizome		100.0		--
0	PENTADECANE	Seed				Wealth of India.
0	PENTADECANE	Rhizome				--
7	PHENYLALANINE	Leaf				--
0	PHLOBAPHEN	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
4	PHOSPHORUS	Rhizome	250.0	1773.0	-1.6394770420886036	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PROLINE	Leaf				--
0	PROTEIN	Rhizome	10000.0	71000.0	-0.8051016512056206	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	RESIN	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
15	RIBOFLAVIN	Rhizome	0.0	1.0	-1.089628007825215	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
5	SABINENE	Rhizome				--
0	SANTALENE	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	Plant				Abstract (See species file)
23	TERPINEN-4-OL	Rhizome				--
9	TERPINOLENE	Rhizome				--
31	THIAMIN	Rhizome	1.0	4.0	-0.7518094115561123	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
4	THREONINE	Leaf				--
0	TRANS-3,4-DIMETHOXYCINNAMYL-ALCOHOL	Root				Abstract (See species file)
0	TRANS-4-HYDROXYCINNAMALDEHYDE	Plant				Abstract (See species file)
0	TRANS-4-METHOXYCINNAMYL-ALCOHOL	Plant				Abstract (See species file)
2	TRANS-BETA-FARNESENE	Leaf		130.0	1.1005355214306811	--
2	TRANS-BETA-FARNESENE	Rhizome	4.0	8735.0	1.0	--
0	TRANS-CINNAMIC-ACID	Essential Oil				--
0	TRANS-CONIFERYL-DIACETATE	Rhizome		14.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRANS-LABD-8(17),12-DIENE-15,16-DIAL	Seed		111.0		--
0	TRANS-P-COUMARYL-DIACETATE	Rhizome		150.0		--
29	TRYPTOPHAN	Leaf				--
8	TYROSINE	Leaf				--
3	VALINE	Leaf				--
0	WATER	Rhizome		859000.0	0.7689347486732349	CRC Handbook of Medicinal Herbs and/or CRC Handbook of Proximate Analyses
0	WAX	Rhizome				List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.