

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Coleus barbatus*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	(+)-FERRUGINOL	Leaf				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	(+)-FERRUGINOL	Stem		700.0		Jim Duke's personal files.
0	1,9-DIDEOXY-7-DEACETYL-FORSKOHLIN	Plant				Phytochemistry, 29: 821.
0	1,9-DIDEOXYCOLEONOL	Root		80.0		Jim Duke's personal files.
0	1,9-DIDEOXYFORSKOHLIN	Plant				Phytochemistry, 29: 821.
0	1,9-DIDEOXYFORSKOLIN	Root				Jim Duke's personal files.
0	1,9-DIDEOXYFORSKOLIN	Tissue Culture				Jim Duke's personal files.
0	1-ACETOXY-COLEOSOL	Root		12.0		Jim Duke's personal files.
0	1-ACETYL-FORSKOLIN	Flower				Jim Duke's personal files.
0	1-ALPHA-6-BETA-7-ALPHA-TRIACETYL-COLEONOL-B	Flower				Jim Duke's personal files.
0	1-DEOXYFORSKOLIN	Root		10.0		Jim Duke's personal files.
0	16(R)-PLECTRINON-A	Leaf		10.8		Jim Duke's personal files.
0	20-DEOXOCARNOSOL	Stem		585.0	-1.0	--
0	3BETA-HYDROXY-3-DEOXYBARBATUSIN	Leaf		140.0		--
0	6-ALPHA-HYDROXY-CARNOSOL	Stem				Jim Duke's personal files.
0	6-BETA-7-BETA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		24.0		Jim Duke's personal files.
0	6BETA,7BETA,9ALPHA-TRIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Plant				Phytochemistry, 29: 821.
0	6BETA,7BETA,9ALPHA-TRIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		26.0		Jim Duke's personal files.
0	6BETA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		20.0		Jim Duke's personal files.
0	6BETA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Plant				Phytochemistry, 29: 821.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	6BETA-HYDROXY-CARNOSOL	Leaf				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
0	6BETA-HYDROXY-CARNOSOL	Plant				Jim Duke's personal files.
0	7-BETA-ACETOXY-1-ALPHA-6-BETA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		56.0		Jim Duke's personal files.
0	7-BETA-ACETOXY-6-BETA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		90.0		Jim Duke's personal files.
0	7BETA-ACETOXY-6BETA,9ALPHA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Plant				Phytochemistry, 29: 821.
0	7BETA-ACETOXY-6BETA,9ALPHA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		130.0		Jim Duke's personal files.
0	8,13-EPOXY-LABD-14-EN-11-ONE	Plant				Phytochemistry, 29: 821.
0	8,13-EPOXY-LABD-14-EN-11-ONE	Root		26.0		Jim Duke's personal files.
0	9-ALPHA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root		18.0		Jim Duke's personal files.
0	9-DEOXYFORSKOHLIN	Plant				Phytochemistry, 29: 821.
0	ACETYL-FORSKOLIN	Tissue Culture				Jim Duke's personal files.
0	ALLYL-ROYLEANONE	Leaf				Jim Duke's personal files.
0	ALPHA-COPAENE	Root Essent. Oil		5000.0	-1.0	Jim Duke's personal files.
3	ALPHA-CURCUMENE	Root Essent. Oil		13000.0	1.0	Jim Duke's personal files.
2	ALPHA-HUMULENE	Leaf Essent. Oil		84800.0	2.123092147042806	Jim Duke's personal files.
2	ALPHA-HUMULENE	Stem Essent. Oil		84800.0		Jim Duke's personal files.
5	ALPHA-IONONE	Root Essent. Oil		14000.0		Jim Duke's personal files.
11	ALPHA-PHELLANDRENE	Stem Essent. Oil		94300.0		Jim Duke's personal files.
11	ALPHA-PHELLANDRENE	Leaf Essent. Oil		94300.0	-0.49783406126367846	Jim Duke's personal files.
28	ALPHA-PINENE	Stem Essent. Oil		66800.0	1.0	Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Leaf Essent. Oil		66800.0	-0.3856704219234889	Jim Duke's personal files.
28	ALPHA-PINENE	Root Essent. Oil		77000.0	-0.3740819075912684	Jim Duke's personal files.
13	ALPHA-TERPINENE	Leaf Essent. Oil		4000.0	-0.40119306019054174	Jim Duke's personal files.
13	ALPHA-TERPINENE	Stem Essent. Oil		4000.0		Jim Duke's personal files.
23	ALPHA-TERPINEOL	Stem Essent. Oil		1000.0		Jim Duke's personal files.
23	ALPHA-TERPINEOL	Leaf Essent. Oil		1000.0	-0.8444420280137835	Jim Duke's personal files.
0	ALPHA-TERPINOLENE	Stem Essent. Oil		1000.0		Jim Duke's personal files.
0	ALPHA-TERPINOLENE	Leaf Essent. Oil		1000.0		Jim Duke's personal files.
0	ALPHA-THUJENE	Root Essent. Oil		3000.0	-0.7732821835157451	Jim Duke's personal files.
0	BARBATUSIN	Plant				Abstract (See species file)
0	BARBATUSIN	Leaf		3000.0		Jim Duke's personal files.
0	BARBATUSOL	Stem		1500.0		Jim Duke's personal files.
0	BARBATUSOL	Leaf				Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar.
6	BETA-BISABOLENE	Root Essent. Oil		13000.0	-0.42853564535296584	Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Stem Essent. Oil		107100.0		Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil		107100.0	0.23196291961468088	Jim Duke's personal files.
5	BETA-ELEMENE	Root Essent. Oil		14000.0	-1.0	Jim Duke's personal files.
13	BETA-IONONE	Root Essent. Oil		64000.0		Jim Duke's personal files.
3	BETA-PHELLANDRENE	Root Essent. Oil		10000.0	1.0	Jim Duke's personal files.
13	BETA-PINENE	Stem Essent. Oil		40100.0	1.0	Jim Duke's personal files.
13	BETA-PINENE	Leaf Essent. Oil		40100.0	0.9061012939723879	Jim Duke's personal files.
13	BETA-PINENE	Root Essent. Oil		54000.0	-0.4550569268799015	Jim Duke's personal files.
35	BORNEOL	Stem Essent. Oil		11900.0		Jim Duke's personal files.
35	BORNEOL	Leaf Essent. Oil		11900.0	-0.5226484135533004	Jim Duke's personal files.
0	BORNEOL-ACETATE	Stem Essent. Oil		4300.0		Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	BORNEOL-ACETATE	Leaf Essent. Oil		4300.0	-0.5595150823650494	Jim Duke's personal files.
0	BORNEOL-ACETATE	Root Essent. Oil		200000.0	-0.7071067811865482	Jim Duke's personal files.
102	CAFFEIC-ACID	Root		42.9	-0.8784223898990208	Jim Duke's personal files.
9	CAMPHENE	Stem Essent. Oil		11200.0		Jim Duke's personal files.
9	CAMPHENE	Leaf Essent. Oil		11200.0	-0.47873189704519575	Jim Duke's personal files.
9	CAMPHENE	Root Essent. Oil		64000.0	-1.0	Jim Duke's personal files.
41	CAMPHOR	Stem Essent. Oil		2500.0		Jim Duke's personal files.
41	CAMPHOR	Leaf Essent. Oil		2500.0	-0.8262065309494772	Jim Duke's personal files.
0	CAR-3-ENE	Stem Essent. Oil		7400.0		Jim Duke's personal files.
0	CAR-3-ENE	Leaf Essent. Oil		7400.0	-1.0	Jim Duke's personal files.
0	CARIOCAL	Stem		800.0		Jim Duke's personal files.
37	CARVACROL	Stem Essent. Oil		2000.0		Jim Duke's personal files.
37	CARVACROL	Leaf Essent. Oil		2000.0		Jim Duke's personal files.
0	COLEFORSIN	Root				Jim Duke's personal files.
0	COLEFORSINE	Root		500.0		Jim Duke's personal files.
0	COLEOL	Plant				Phytochemistry, 29: 821.
0	COLEOL	Root		30.0		Jim Duke's personal files.
0	COLEON-E	Leaf	516.7	2100.0		Jim Duke's personal files.
0	COLEON-F	Leaf		773.3		Jim Duke's personal files.
0	COLEON-O	Leaf				Jim Duke's personal files.
1	COLEONOL	Leaf				Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.
0	COLEONOL-B	Tissue Culture				Jim Duke's personal files.
0	COLEONOL-B	Flower				Jim Duke's personal files.
0	COLEONOL-B	Root				Jim Duke's personal files.
0	COLEONOL-B	Plant				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	COLEONOL-C	Root				Jim Duke's personal files.
0	COLEONOL-D	Root		7.0		Jim Duke's personal files.
0	COLEONOLIC-ACID	Root				Jim Duke's personal files.
0	COLEONOLS	Tuber				Economic Botany, a publication of the Society for Economic Botany, The New York Botanical Garden. 41: 474.
0	COLEONONE	Root				Jim Duke's personal files.
0	COLEONS	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	COLEOSIDE	Root	28.6	42.8		Jim Duke's personal files.
0	COLEOSIDE-B	Root		71.4		Jim Duke's personal files.
0	COLEOSOL	Root		70.0		Jim Duke's personal files.
0	COLEOSOL	Plant				J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	COLEUS-BARBATUS-SECO-ABIENTANE-DITERPENE-1	Stem		60.0		Jim Duke's personal files.
0	COLEUS-BARBATUS-SECO-DITERPENE-2	Stem		10.0		Jim Duke's personal files.
1	COPAENE	Stem Essent. Oil		30600.0		Jim Duke's personal files.
1	COPAENE	Leaf Essent. Oil		30600.0		Jim Duke's personal files.
0	CROCETIN-DIALDEHYDE	Shoot				Jim Duke's personal files.
0	CROCETIN-DIALDEHYDE	Root		20.0		Jim Duke's personal files.
1	CUPARENE	Root Essent. Oil		16000.0		Jim Duke's personal files.
0	CYCLOBUTATUSIN	Leaf		80.0		--
0	DEACETYL-FORSKOHLIN	Plant				Phytochemistry, 29: 821.
0	DEACETYL-FORSKOLIN	Root		51.0		Jim Duke's personal files.
0	DEACETYL-FORSKOLIN	Flower				Jim Duke's personal files.
0	DECAN-3-ONE	Root Essent. Oil		177000.0		Jim Duke's personal files.
3	DEHYDROABIETANE	Root Essent. Oil				Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
9	DELTA-CADINENE	Stem Essent. Oil		63500.0		Jim Duke's personal files.
0	DELTA-SELINENE	Root Essent. Oil		4000.0		Jim Duke's personal files.
0	DEOXYCOLEONOL	Root				Jim Duke's personal files.
34	FORSKOLIN	Tuber		4630.0		--
34	FORSKOLIN	Shoot		90.0		Jim Duke's personal files.
34	FORSKOLIN	Root	14.0	4400.0		Jim Duke's personal files.
34	FORSKOLIN	Plant		500.0		Jim Duke's personal files.
34	FORSKOLIN	Tissue Culture		500.0		Jim Duke's personal files.
0	GAMMA-CURCUMENE	Root Essent. Oil		50000.0		Jim Duke's personal files.
11	GAMMA-TERPINENE	Stem Essent. Oil		2100.0		Jim Duke's personal files.
11	GAMMA-TERPINENE	Leaf Essent. Oil		2100.0	-0.6971165104943313	Jim Duke's personal files.
2	HUMULENE	Root Essent. Oil		17000.0	-1.0	Jim Duke's personal files.
53	LINALOOL	Stem Essent. Oil		3900.0		Jim Duke's personal files.
53	LINALOOL	Leaf Essent. Oil		3900.0	-0.6711527378805481	Jim Duke's personal files.
7	LINALYL-ACETATE	Stem Essent. Oil		8100.0		Jim Duke's personal files.
7	LINALYL-ACETATE	Leaf Essent. Oil		8100.0		Jim Duke's personal files.
0	MANOOL-OXIDE	Root Essent. Oil				Jim Duke's personal files.
22	MYRCENE	Stem Essent. Oil		3800.0	-1.0	Jim Duke's personal files.
22	MYRCENE	Leaf Essent. Oil		3800.0	-0.352001778467062	Jim Duke's personal files.
22	MYRCENE	Root Essent. Oil		4000.0	-0.6155432093874083	Jim Duke's personal files.
0	NONAN-3-ONE	Root Essent. Oil		6000.0		Jim Duke's personal files.
16	P-CYMENE	Leaf Essent. Oil		24600.0	-0.413105578018268	Jim Duke's personal files.
16	P-CYMENE	Root Essent. Oil		2000.0	-1.00023727413413	Jim Duke's personal files.
16	P-CYMENE	Stem Essent. Oil		24600.0	1.0	Jim Duke's personal files.
0	PHYTANE	Root Essent. Oil				Jim Duke's personal files.
7	PIPERITONE	Leaf Essent. Oil		1000.0		Jim Duke's personal files.
0	PLECTRIN	Leaf		1000.0		Jim Duke's personal files.

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PLECTRINON-B	Leaf		2.5		Jim Duke's personal files.
0	PRISTANE	Root Essent. Oil				Jim Duke's personal files.
23	TERPINEN-4-OL	Stem Essent. Oil		2900.0		Jim Duke's personal files.
23	TERPINEN-4-OL	Leaf Essent. Oil		2900.0	-0.5245650685397517	Jim Duke's personal files.
0	TRIACETYL-COLEONOL-B	Tissue Culture				Jim Duke's personal files.