

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Coleus barbatu*s

Activity 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		Jim Duke's personal files.
0	1,9-DIDEOXY-7-DEACETYL-FORSKOHLIN	Plant	--	--		Phytochemistry, 29: 821.
0	1,9-DIDEOXYCOLEONOL	Root	--	80		Jim Duke's personal files.
0	1,9-DIDEOXYFORSKOHLIN	Plant	--	--		Phytochemistry, 29: 821.
0	1,9-DIDEOXYFORSKOLIN	Tissue Culture	--	--		Jim Duke's personal files.
0	1,9-DIDEOXYFORSKOLIN	Root	--	--		Jim Duke's personal files.
0	1-ACETOXY-COLEOSOL	Root	--	12		Jim Duke's personal files.
0	1-ACETYL-FORSKOLIN	Flower	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1-ALPHA-6-BETA-7-ALPHA-TRIACETYL-COLEONOL-B	Flower	--	--		Jim Duke's personal files.
0	1-DEOXYFORSKOLIN	Root	--	10		Jim Duke's personal files.
0	16(R)-PLECTRINON-A	Leaf	--	10.8		Jim Duke's personal files.
0	20-DEOXOCARNOSOL	Stem	--	585	-1	
0	3BETA-HYDROXY-3-DEOXYBARBATUSIN	Leaf	--	140		
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		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		Jim Duke's personal files.
0	6BETA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root	--	20		Jim Duke's personal files.
0	6BETA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Plant	--	--		Phytochemistry, 29: 821.
0	6BETA-HYDROXY-CARNOSOL	Plant	--	--		Jim Duke's personal files.

Activity 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	7-BETA-ACETOXY-1-ALPHA-6-BETA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root	--	56		Jim Duke's personal files.
0	7-BETA-ACETOXY-6-BETA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root	--	90		Jim Duke's personal files.
0	7BETA-ACETOXY-6BETA,9ALPHA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root	--	130		Jim Duke's personal files.
0	7BETA-ACETOXY-6BETA,9ALPHA-DIHYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Plant	--	--		Phytochemistry, 29: 821.
0	8,13-EPOXY-LABD-14-EN-11-ONE	Plant	--	--		Phytochemistry, 29: 821.
0	8,13-EPOXY-LABD-14-EN-11-ONE	Root	--	26		Jim Duke's personal files.
0	9-ALPHA-HYDROXY-8,13-EPOXY-LABD-14-EN-11-ONE	Root	--	18		Jim Duke's personal files.
0	9-DEOXYFORSKOHLIN	Plant	--	--		Phytochemistry, 29: 821.
0	ACETYL-FORSKOLIN	Tissue Culture	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	ALLYL-ROYLEANONE	Leaf	--	--		Jim Duke's personal files.
0	ALPHA-COPAENE	Root Essent. Oil	--	5000	-1	Jim Duke's personal files.
3	ALPHA-CURCUMENE	Root Essent. Oil	--	13000	1	Jim Duke's personal files.
2	ALPHA-HUMULENE	Stem Essent. Oil	--	84800		Jim Duke's personal files.
2	ALPHA-HUMULENE	Leaf Essent. Oil	--	84800	2.123092147042806	Jim Duke's personal files.
5	ALPHA-IONONE	Root Essent. Oil	--	14000		Jim Duke's personal files.
11	ALPHA-PHELLANDRENE	Leaf Essent. Oil	--	94300	-0.49783406126367846	Jim Duke's personal files.
11	ALPHA-PHELLANDRENE	Stem Essent. Oil	--	94300		Jim Duke's personal files.
28	ALPHA-PINENE	Leaf Essent. Oil	--	66800	-0.3856704219234889	Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
28	ALPHA-PINENE	Stem Essent. Oil	--	66800	1	Jim Duke's personal files.
28	ALPHA-PINENE	Root Essent. Oil	--	77000	-0.3740819075912684	Jim Duke's personal files.
13	ALPHA-TERPINENE	Leaf Essent. Oil	--	4000	-0.40119306019054174	Jim Duke's personal files.
13	ALPHA-TERPINENE	Stem Essent. Oil	--	4000		Jim Duke's personal files.
23	ALPHA-TERPINEOL	Stem Essent. Oil	--	1000		Jim Duke's personal files.
23	ALPHA-TERPINEOL	Leaf Essent. Oil	--	1000	-0.8444420280137835	Jim Duke's personal files.
0	ALPHA-TERPINOLENE	Leaf Essent. Oil	--	1000		Jim Duke's personal files.
0	ALPHA-TERPINOLENE	Stem Essent. Oil	--	1000		Jim Duke's personal files.
0	ALPHA-THUJENE	Root Essent. Oil	--	3000	-0.7732821835157451	Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BARBATUSIN	Plant	--	--		Abstract (See species file)
0	BARBATUSIN	Leaf	--	3000		Jim Duke's personal files.
0	BARBATUSOL	Stem	--	1500		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	-0.42853564535296584	Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Leaf Essent. Oil	--	107100	0.23196291961468088	Jim Duke's personal files.
0	BETA-CARYOPHYLLENE	Stem Essent. Oil	--	107100		Jim Duke's personal files.
5	BETA-ELEMENE	Root Essent. Oil	--	14000	-1	Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
13	BETA-IONONE	Root Essent. Oil	--	64000		Jim Duke's personal files.
3	BETA-PHELLANDRENE	Root Essent. Oil	--	10000	1	Jim Duke's personal files.
13	BETA-PINENE	Stem Essent. Oil	--	40100	1	Jim Duke's personal files.
13	BETA-PINENE	Root Essent. Oil	--	54000	-0.4550569268799015	Jim Duke's personal files.
13	BETA-PINENE	Leaf Essent. Oil	--	40100	0.9061012939723879	Jim Duke's personal files.
35	BORNEOL	Leaf Essent. Oil	--	11900	-0.5226484135533004	Jim Duke's personal files.
35	BORNEOL	Stem Essent. Oil	--	11900		Jim Duke's personal files.
0	BORNEOL-ACETATE	Root Essent. Oil	--	200000	-0.7071067811865482	Jim Duke's personal files.
0	BORNEOL-ACETATE	Leaf Essent. Oil	--	4300	-0.5595150823650494	Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	BORNEOL-ACETATE	Stem Essent. Oil	--	4300		Jim Duke's personal files.
102	CAFFEIC-ACID	Root	--	42.9	-0.8784223898990208	Jim Duke's personal files.
9	CAMPHENE	Root Essent. Oil	--	64000	-1	Jim Duke's personal files.
9	CAMPHENE	Leaf Essent. Oil	--	11200	-0.47873189704519575	Jim Duke's personal files.
9	CAMPHENE	Stem Essent. Oil	--	11200		Jim Duke's personal files.
41	CAMPHOR	Leaf Essent. Oil	--	2500	-0.8262065309494772	Jim Duke's personal files.
41	CAMPHOR	Stem Essent. Oil	--	2500		Jim Duke's personal files.
0	CAR-3-ENE	Stem Essent. Oil	--	7400		Jim Duke's personal files.
0	CAR-3-ENE	Leaf Essent. Oil	--	7400	-1	Jim Duke's personal files.
0	CARIOCAL	Stem	--	800		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
37	CARVACROL	Stem Essent. Oil	--	2000		Jim Duke's personal files.
37	CARVACROL	Leaf Essent. Oil	--	2000		Jim Duke's personal files.
0	COLEFORSIN	Root	--	--		Jim Duke's personal files.
0	COLEFORSINE	Root	--	500		Jim Duke's personal files.
0	COLEOL	Root	--	30		Jim Duke's personal files.
0	COLEOL	Plant	--	--		Phytochemistry, 29: 821.
0	COLEON-E	Leaf	516.7	2100		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.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	Plant	--	--		Jim Duke's personal files.
0	COLEONOL-B	Root	--	--		Jim Duke's personal files.
0	COLEONOL-B	Flower	--	--		Jim Duke's personal files.
0	COLEONOL-B	Tissue Culture	--	--		Jim Duke's personal files.
0	COLEONOL-C	Root	--	--		Jim Duke's personal files.
0	COLEONOL-D	Root	--	7		Jim Duke's personal files.
0	COLEONOLIC-ACID	Root	--	--		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
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	COEOSOL	Root	--	70		Jim Duke's personal files.
0	COEOSOL	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
0	COLEUS-BARBATUS-SECO-ABIANTANE-DITERPENE-1	Stem	--	60		Jim Duke's personal files.
0	COLEUS-BARBATUS-SECO-DITERPENE-2	Stem	--	10		Jim Duke's personal files.
1	COPAENE	Leaf Essent. Oil	--	30600		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
1	COPAENE	Stem Essent. Oil	--	30600		Jim Duke's personal files.
0	CROCETIN-DIALDEHYDE	Root	--	20		Jim Duke's personal files.
0	CROCETIN-DIALDEHYDE	Shoot	--	--		Jim Duke's personal files.
1	CUPARENE	Root Essent. Oil	--	16000		Jim Duke's personal files.
0	CYCLOBUTATUSIN	Leaf	--	80		
0	DEACETYL-FORSKOHLIN	Plant	--	--		Phytochemistry, 29: 821.
0	DEACETYL-FORSKOLIN	Flower	--	--		Jim Duke's personal files.
0	DEACETYL-FORSKOLIN	Root	--	51		Jim Duke's personal files.
0	DECAN-3-ONE	Root Essent. Oil	--	177000		Jim Duke's personal files.
3	DEHYDROABIETANE	Root Essent. Oil	--	--		Jim Duke's personal files.
9	DELTA-CADINENE	Stem Essent. Oil	--	63500		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	DELTA-SELINENE	Root Essent. Oil	--	4000		Jim Duke's personal files.
0	DEOXYCOLEONOL	Root	--	--		Jim Duke's personal files.
34	FORSKOLIN	Root	14	4400		Jim Duke's personal files.
34	FORSKOLIN	Tuber	4630	4630		
34	FORSKOLIN	Shoot	--	90		Jim Duke's personal files.
34	FORSKOLIN	Tissue Culture	--	500		Jim Duke's personal files.
34	FORSKOLIN	Plant	--	500		Jim Duke's personal files.
0	GAMMA-CURCUMENE	Root Essent. Oil	--	50000		Jim Duke's personal files.
11	GAMMA-TERPINENE	Stem Essent. Oil	--	2100		Jim Duke's personal files.
11	GAMMA-TERPINENE	Leaf Essent. Oil	--	2100	-0.6971165104943313	Jim Duke's personal files.
2	HUMULENE	Root Essent. Oil	--	17000	-1	Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
53	LINALOOL	Leaf Essent. Oil	--	3900	-0.6711527378805481	Jim Duke's personal files.
53	LINALOOL	Stem Essent. Oil	--	3900		Jim Duke's personal files.
7	LINALYL-ACETATE	Leaf Essent. Oil	--	8100		Jim Duke's personal files.
7	LINALYL-ACETATE	Stem Essent. Oil	--	8100		Jim Duke's personal files.
0	MANOOL-OXIDE	Root Essent. Oil	--	--		Jim Duke's personal files.
22	MYRCENE	Leaf Essent. Oil	--	3800	-0.352001778467062	Jim Duke's personal files.
22	MYRCENE	Stem Essent. Oil	--	3800	-1	Jim Duke's personal files.
22	MYRCENE	Root Essent. Oil	--	4000	-0.6155432093874083	Jim Duke's personal files.
0	NONAN-3-ONE	Root Essent. Oil	--	6000		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
16	P-CYMENE	Leaf Essent. Oil	--	24600	-0.413105578018268	Jim Duke's personal files.
16	P-CYMENE	Stem Essent. Oil	--	24600	1	Jim Duke's personal files.
16	P-CYMENE	Root Essent. Oil	--	2000	-1.00023727413413	Jim Duke's personal files.
0	PHYTANE	Root Essent. Oil	--	--		Jim Duke's personal files.
7	PIPERITONE	Leaf Essent. Oil	--	1000		Jim Duke's personal files.
0	PLECTRIN	Leaf	--	1000		Jim Duke's personal files.
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	Leaf Essent. Oil	--	2900	-0.5245650685397517	Jim Duke's personal files.
23	TERPINEN-4-OL	Stem Essent. Oil	--	2900		Jim Duke's personal files.

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	TRIACETYL-COLEONOL-B	Tissue Culture	--	--		Jim Duke's personal files.