

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Viola odorata*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
5	CYANIN	Flower		53000.0		--
0	ALDEHYDE	Flower	30000.0	50000.0		--
5	SAPONINS	Root	1000.0	25000.0	-0.545236603114766	--
87	RUTIN	Flower		20000.0	-0.45214806529802004	--
0	VIOLARUTIN	Flower		20000.0		--
0	ODORATINE	Root		14100.0		--
0	EO	Flower	300.0	1700.0	-0.36672560272657334	--
0	EO	Essential Oil	900.0	1200.0	-1.3350520743601195	--
0	EO	Root		380.0	-0.6368933349929101	--
76	EUGENOL	Flower	147.0	357.0	-0.37653084625288163	--
47	BETA-SITOSTEROL	Plant		330.0	-0.4341454543450208	--
2	FRIEDELIN	Leaf		160.0		--
2	BETA-NITROPROPIONIC-ACID	Root	10.0	20.0		--
0	OCTADIENOL(?)	Flower				--
9	BENZYL-ALCOHOL	Leaf				--
0	L-ZINGIBERENE	Flower				--
1	VIOLIN	Root				--
34	SALICYLIC-ACID	Leaf				--
0	N-OCTENOL(?)	Leaf				--
9	BENZYL-ALCOHOL	Flower				--
75	KAEMPFEROL	Plant				--
1	VIOLIN	Flower				--
0	ENANTHIC-ACID	Leaf				--
0	N-HEXENOL(?)	Leaf				--
0	ALPHA-IRONE	Flower				--
7	ISOBORNEOL	Flower				--
176	QUERCETIN	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	DIETHYL-PHTHALATE	Flower				--
0	N-HEXANOL	Leaf				--
5	ALPHA-IONONE	Flower				--
0	HEPTENOL	Flower				--
0	VIOLAQUERCITRIN	Flower				--
6	PROPIONIC-ACID	Leaf				--
0	D-DIHYDRO-BETA-IONONE	Flower				--
0	N-HEXANOL	Flower				--
28	VANILLIN	Flower				--
2	GAULTHERIN	Plant				--
2	PIPERONAL	Flower				--
0	D-DIHYDRO-ALPHA-IONONE	Flower				--
0	N-HEPTYL-ACID	Plant				--
0	3-BETA-FRIEDELANOL	Flower				--
0	UNDECANONE-2	Flower				--
0	PARMONE	Flower				--
0	N-HEPTENOL	Leaf				--
0	2,6-NONADIEN-1-OL	Leaf				--
0	TRACETOAMINE	Root				--
61	FERULIC-ACID	Plant				--
13	PALMITIC-ACID	Leaf				--
0	N-2-OCTEN-1-OL(?)	Leaf				--
0	2,6-NONADIEN-1-OL	Flower				--
9	SINAPIC-ACID	Plant				--
76	EUGENOL	Leaf				--
0	MYROSIN	Seed				--
0	2,6-NONADIEN-1-AL	Leaf				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
44	SCOPOLETIN	Plant				--
0	OCTYLIC-ACID	Leaf				--
0	BETA-IRONE	Flower				--
21	METHYL-SALICYLATE	Root				--
0	2,6-NONADIEN-1-AL	Flower				--
0	OCTENOIC-ACID	Leaf				--
13	BETA-IONONE	Flower				--
15	MALIC-ACID	Flower				--
0	VIOLUTOSIDE	Plant				--
0	SALICYLIC-ACID-METHYL-ESTER	Root				--