

**Dr. Duke's Phytochemical and Ethnobotanical Databases**

**Chemicals found in Viola odorata**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
76	EUGENOL	Flower	147.0	357.0	-0.37653084625288163	--
47	BETA-SITOSTEROL	Plant		330.0	-0.4341454543450208	--
87	RUTIN	Flower		20000.0	-0.45214806529802004	--
5	SAPONINS	Root	1000.0	25000.0	-0.545236603114766	--
1	VIOLIN	Root				--
13	PALMITIC-ACID	Leaf				--
1	VIOLIN	Flower				--
21	METHYL-SALICYLATE	Root				--
2	BETA-NITROPROPIONIC-ACID	Root	10.0	20.0		--
28	VANILLIN	Flower				--
15	MALIC-ACID	Flower				--
13	BETA-IONONE	Flower				--
9	SINAPIC-ACID	Plant				--
75	KAEMPFEROL	Plant				--
9	BENZYL-ALCOHOL	Leaf				--
44	SCOPOLETIN	Plant				--
7	ISOBORNEOL	Flower				--
9	BENZYL-ALCOHOL	Flower				--
2	GAULTHERIN	Plant				--
5	ALPHA-IONONE	Flower				--
34	SALICYLIC-ACID	Leaf				--
2	FRIEDELIN	Leaf		160.0		--
61	FERULIC-ACID	Plant				--
176	QUERCETIN	Plant				--
76	EUGENOL	Leaf				--
6	PROPIONIC-ACID	Leaf				--
2	PIPERONAL	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
5	CYANIN	Flower		53000.0		--