

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

**Chemicals Found in *Viola odorata***

<b>Activity Count</b>	<b>Chemical</b>	<b>Plant Part</b>	<b>Low PPM</b>	<b>High PPM</b>	<b>StdDev</b>	<b>Reference Citation</b>
5	ALPHA-IONONE	Flower	--	--		
9	BENZYL-ALCOHOL	Leaf	--	--		
9	BENZYL-ALCOHOL	Flower	--	--		
13	BETA-IONONE	Flower	--	--		
2	BETA-NITROPROPIONIC-ACID	Root	10	20		
47	BETA-SITOSTEROL	Plant	330	330	-0.4341454543450208	
5	CYANIN	Flower	53000	53000		
76	EUGENOL	Leaf	--	--		
76	EUGENOL	Flower	147	357	-0.37653084625288163	
61	FERULIC-ACID	Plant	--	--		
2	FRIEDELIN	Leaf	160	160		
2	GAULTHERIN	Plant	--	--		
7	ISOBORNEOL	Flower	--	--		
75	KAEMPFEROL	Plant	--	--		
15	MALIC-ACID	Flower	--	--		
21	METHYL-SALICYLATE	Root	--	--		
13	PALMITIC-ACID	Leaf	--	--		
2	PIPERONAL	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
6	PROPIONIC-ACID	Leaf	--	--		
176	QUERCETIN	Plant	--	--		
87	RUTIN	Flower	20000	20000	-0.45214806529802004	
34	SALICYLIC-ACID	Leaf	--	--		
5	SAPONINS	Root	1000	25000	-0.545236603114766	
44	SCOPOLETIN	Plant	--	--		
9	SINAPIC-ACID	Plant	--	--		
28	VANILLIN	Flower	--	--		
1	VIOLIN	Flower	--	--		
1	VIOLIN	Root	--	--		