

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

**Chemicals found in Pelargonium graveolens**

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	1,3-PENTADIENE	Essential Oil				--
0	10-EPI-GAMMA-EUDES MOL	Essential Oil				--
0	11-NORBOURBONANONE	Essential Oil				--
0	11-SELINEN-4-ALPHA-OL	Essential Oil				--
0	2-FURFURAL	Essential Oil				--
0	2-HEXANONE	Essential Oil				--
0	2-METHYL-3-BUTEN-2-OL	Essential Oil				--
0	2-METHYL-3-BUTENAL	Plant				--
0	2-METHYL-3-PENTANONE	Essential Oil				--
0	2-METHYL-BUTANAL- TRANS-2-METHYL-3- BUTENAL	Essential Oil				--
0	2-METHYL-BUTANOL	Essential Oil				--
0	2-METHYL-PROPANAL	Essential Oil				--
0	2-METHYLBUTYL- FORMATE	Essential Oil				--
0	2-METHYLOPPROPYL- FORMATE	Essential Oil				--
0	2-PENTANONE	Essential Oil				--
0	2-PROPANOL	Essential Oil				--
0	3-HEXEN-1-OL	Essential Oil				--
0	3-METHYL-2-BUTANONE	Essential Oil				--
0	3-METHYL-BUTANOL	Essential Oil				--
0	3-METHYL-CYCLO- PENTANONE	Essential Oil				--
0	3-METHYLBUTYL- FORMATE	Essential Oil				--
0	4-METHYL-2-PENTANONE	Essential Oil				--
0	6-OXO-6,7- DIHYDROCITRONELLIC- ACID	Essential Oil				--
0	7-HYDROXY-6,7- DIHYDROGERANIOL	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	7-HYDROXYDIHYDROCITRONELLOL	Essential Oil				--
6	ACETALDEHYDE	Essential Oil				--
16	ACETIC-ACID	Essential Oil				--
3	ACETONE	Essential Oil				--
0	ALCOHOLS	Essential Oil				--
0	ALPHA-BOURBONENE	Essential Oil				--
0	ALPHA-CALACORENE	Essential Oil				--
0	ALPHA-MUUROLENE	Essential Oil				--
11	ALPHA-PHELLANDRENE	Essential Oil				--
28	ALPHA-PINENE	Essential Oil	1.0	3.0	-0.5600433656432124	--
0	ALPHA-SANTALENE	Plant				--
23	ALPHA-TERPINEOL	Essential Oil	4.0	22.0	-0.7720662078462751	--
3	AR-CURCUMENE	Essential Oil				--
6	BETA-BISABOLENE	Essential Oil				--
0	BETA-BOURBONENE	Essential Oil				--
5	BETA-ELEMENE	Essential Oil				--
3	BETA-PHELLANDRENE	Essential Oil				--
13	BETA-PINENE	Essential Oil				--
0	BOIS-DE-ROSE-OXIDE	Essential Oil	1.0	2.0		--
35	BORNEOL	Essential Oil				--
0	BUTANAL	Essential Oil				--
0	BUTANE	Essential Oil				--
0	BUTANOL	Essential Oil				--
0	CALAMENENE	Essential Oil				--
5	CAPRYLIC-ACID	Essential Oil				--
31	CARYOPHYLLENE	Essential Oil				--
1	CIS-3-HEXENOL	Essential Oil		1.0		--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	CIS-DEHYDROCITRONELLOL	Essential Oil				--
0	CIS-ROSE-OXIDE	Essential Oil	1.0	2.0		--
53	CITRAL	Essential Oil				--
20	CITRONELLAL	Essential Oil				--
15	CITRONELLOL	Plant	21.0	1176.0	2.123051972799649	--
2	CITRONELLYL-ACETATE	Essential Oil				--
1	CITRONELLYL-FORMATE	Essential Oil	1.0	2.0		--
0	CITRONELLYLDIETHYLAMINE	Essential Oil				--
1	COPAENE	Essential Oil				--
0	DECYL-ALDEHYDE	Essential Oil				--
9	DELTA-CADINENE	Essential Oil				--
2	DIMETHYL-SULFIDE	Plant				--
0	EO	Plant	800.0	4000.0	-0.4361356820223302	--
0	EPOXYLINALOL	Essential Oil	1.0	4.0		--
0	ESTERS	Essential Oil				--
24	ETHANOL	Essential Oil				--
76	EUGENOL	Essential Oil				--
13	FORMIC-ACID	Essential Oil				--
0	FURAN	Essential Oil				--
0	FURAPELAGONE-A	Essential Oil				--
0	FURAPELAGONE-B	Essential Oil				--
0	GAMMA-CADINENE	Essential Oil				--
0	GAMMA-MUUROLENE	Essential Oil				--
13	GERANIAL	Essential Oil	2.0	12.0	-1.0	--
35	GERANIOL	Plant	2.0	1400.0	-0.2090839590379573	--
5	GERANYL-ACETATE	Essential Oil				--
0	GERANYL-TIGLATE	Essential Oil				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	GERMACRATRIENE	Essential Oil				--
0	GUAIA-6,9-DIENE	Plant				--
1	HEXYL-FORMATE	Essential Oil				--
2	HUMULENE	Essential Oil				--
3	ISOAMYL-ALCOHOL	Essential Oil				--
3	ISOMENTHONE	Essential Oil	8.0	38.0	-1.0	--
0	ISOOCTANE	Essential Oil				--
0	ISOPRENE	Essential Oil				--
0	ISOPROPYL-FORMATE	Essential Oil				--
3	ISOPULEGOL	Essential Oil				--
0	JUNENOL	Essential Oil				--
0	L-CITRONELLOL	Essential Oil				--
60	LIMONENE	Essential Oil	1.0	3.0	-0.7370481396201248	--
0	LINALOL	Plant	30.0	505.0	-0.3180486984089818	--
63	MENTHOL	Plant	2.0	1852.0	0.738920288124005	--
30	MENTHONE	Essential Oil	8.0	38.0	-1.0	--
2	METHANOL	Essential Oil				--
2	METHYL-BUTYRATE	Essential Oil				--
0	METHYL-FORMATE	Essential Oil				--
0	METHYL-HEPTENONE	Essential Oil	2.0	9.0		--
0	METHYL-HEXYL-CARBINEOL	Essential Oil				--
0	METHYL-PENTANOL	Essential Oil				--
22	MYRCENE	Essential Oil	1.0	2.0	-0.44404370426836665	--
0	NEOISOMENTHOL	Essential Oil				--
4	NERAL	Essential Oil	2.0	12.0	-1.0	--
16	P-CYMENE	Essential Oil	1.0	2.0	-0.633376049809191	--
0	PELARGONIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	PHENYL-ETHYL-ALCOHOL	Plant	2.0	8.0	-0.8904524648073894	--
6	PROPIONIC-ACID	Essential Oil				--
0	PROPYL-FORMATE	Essential Oil				--
5	SABINENE	Essential Oil				--
0	SELINA-3,7(11)-DIENE	Plant				--
0	SELINA-4(14),7(11)-DIENE	Essential Oil				--
1	TIGLIC-ACID	Essential Oil				--
1	TOLUENE	Essential Oil				--
0	TRANS-DEHYDROCITRONELLOL	Essential Oil				--