

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Chamaemelum nobile*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
2	COBALT	Flower		58.0	2.612061847366935	--
24	CHROMIUM	Flower		6.0	1.4663135101446323	--
1	SODIUM	Flower		2580.0	0.8971862425947467	--
0	CARBOHYDRATES	Flower		785000.0	0.6717424349363459	--
0	EO	Plant	6000.0	17500.0	0.5898403796114341	--
28	CALCIUM	Flower		6720.0	0.262669182361168	--
65	MAGNESIUM	Flower		2920.0	0.0778929234285551	--
4	SILICON	Flower		31.0	0.03983585243552122	--
6	IRON	Flower		170.0	0.01399335559030001	--
0	WATER	Flower		812000.0	-7.616505868808395E-4	--
0	ASH	Flower		62000.0	-0.1492107703933926	--
4	PHOSPHORUS	Flower		3220.0	-0.2058307284109949	--
14	MANGANESE	Flower		52.0	-0.20887325844670268	--
0	FAT	Flower		39000.0	-0.29514477215706875	--
0	PROTEIN	Flower		115000.0	-0.322653241355452	--
15	RIBOFLAVIN	Flower		4.3	-0.44813818935694794	--
53	BETA-CAROTENE	Flower		2.2	-0.588533141523943	--
14	POTASSIUM	Flower		13200.0	-0.6226881789888628	--
15	FIBER	Flower		72000.0	-0.7287341780082754	--
112	ASCORBIC-ACID	Flower		267.0	-0.7525928024069561	--
4	TIN	Flower		10.0	-0.8082238591204874	--
0	KILOCALORIES	Flower		2999.0	-1.050725246373411	--
5	ALUMINUM	Flower		27.0	-1.24997149983649	--
31	THIAMIN	Flower		0.8	-1.319683564963165	--
4	PINOCAMPHONE	Plant				--
1	HEXYL-ACETATE	Plant				--
0	APIGENIN-7- APIOSYLGLUCOSIDE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	2-METHYLPROPYL-BUTYRATE	Plant				--
5	EN-YN-DICYCLOETHER	Plant				--
0	ALPHA-CUBEBENE	Plant				--
1	1,10-EPOXYNOBILIN	Plant				--
0	EPICATECHOL	Plant				--
0	METHACRYLIC-ACID-ESTER	Plant				--
44	SCOPOLETIN	Plant				--
0	ISOBUTYL-2-METHYL-BUTYRATE	Plant				--
0	BETA-CARYOPHYLLENE	Plant				--
0	4-ISOPROPENYL-BENZALDEHYDE	Plant				--
12	PINENE	Plant				--
12	HERNIARIN	Plant				--
101	APIGENIN	Plant				--
0	2-METHYLPROPYL-3-METHYL-BUTYRATE	Plant				--
0	ALPHA-COPAENE	Plant				--
0	TIGLIC-ACID-ESTER	Plant				--
0	METHACRYLIC-ACID	Plant				--
5	SABINENE	Plant				--
0	ISOBUTANOL	Plant				--
0	3-METHYLPENTYL-ANGELATE	Plant				--
2	GERMACRENE-D	Plant				--
0	ANTHEMOL	Plant				--
0	2-METHYLPROPYL-2-METHYL-BUTYRATE	Plant				--
1	TIGLIC-ACID	Plant				--
102	CAFFEIC-ACID	Plant				--
0	ALPHA-CADINENE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
87	RUTIN	Plant				--
0	ISOAMYL-PROPIONATE	Plant				--
0	BETA-BOURBONENE	Plant				--
0	3-METHYLIDENE-4-OXPENTYL-ANGELATE	Plant				--
16	P-CYMENE	Plant				--
1	ANTHEMIC-ACID	Plant				--
0	2-METHYLIDENEPROPANE-1,3-DIYL-1-(Z)-2'-METHYL-2'BUTENOATE...	Plant				--
0	BUTYL-ANGELATE	Plant				--
0	ALPHA-BISABOLOL-OXIDE-B	Plant				--
0	ISOAMYL-BUTYRATE	Plant				--
6	BETA-BISABOLENE	Plant				--
0	3-METHYLBUTYL-ANGELATE	Plant				--
1	NOBILIN	Plant				--
0	DEHYDROMATRICARIA-ESTER	Plant				--
61	FERULIC-ACID	Plant				--
0	2-METHYLBUTYL-BUTYRATE	Plant				--
9	CAMPHENE	Plant				--
2	TARAXASTEROL	Plant				--
7	LUTEOLIN-7-GLUCOSIDE	Plant				--
0	BISABOLENE	Plant				--
0	ALPHA-BISABOLOL-OXIDE-A	Plant				--
0	QUERCETRIN	Plant				--
0	ISOAMYL-ANGELATE	Plant				--
10	AZULENE	Plant				--
0	3-METHYLAMYL-ANGELATE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
39	NIACIN	Flower				--
0	D-3-METHYL-PENTANOL	Plant				--
0	ALPHA-TRANS-PINOCARVONE	Plant				--
0	2-METHYLBUTYL-2-METHYLPROPIONATE	Plant				--
0	BUTANE-1,3-DIYL-1-((Z)-2'-METHYL-2'-BUTENOATE)-3-ISOB...	Plant				--
35	TANNIN	Plant				--
78	LUTEOLIN	Plant				--
3	BETA-SELINENE	Plant				--
0	ALPHA-BISABOLENE-OXIDE-A	Plant				--
0	QUECIMERITRIN	Plant				--
0	ISOAMYL-2-METHYL-BUTYRATE	Plant				--
0	3-METHYL-1-BUTANOL	Plant				--
11	NEROLIDOL	Plant				--
0	CYCLODODECANE	Plant				--
17	FARNESOL	Plant				--
0	ALPHA-TRANS-PINOCARVEOL	Plant				--
0	2-METHYL-PROPANE-1,3-DIYL-1-(Z)-2'-METHYL-2'BUTEONATE...	Plant				--
35	BORNEOL	Plant				--
13	BETA-PINENE	Plant				--
0	5-ISOPROPENYL-2'-(2-METHYLPROPYL)-2-CYCLOHEXEN-1-ONE	Plant				--
0	3-HYDROXY-2-METHYLIDENE-BUTYRIC-ACID-ANGELATE	Plant				--
2	FARNESENE	Plant				--
13	ALPHA-TERPINENE	Plant				--
0	2-METHYL-BUTYL-2-METHYL-BUTYRATE	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
77	ZINC	Flower				--
0	N-BUTANOL	Plant				--
0	ISOBUTYL-ISOVALERIANATE	Plant				--
2	BETA-MYRCENE	Plant				--
0	5-(3-FURYL)-2-METHYL-1-PENTEN-3-ONE	Plant				--
0	PROPYL-ANGELATE	Plant				--
0	HYDROXYISONOBILIN	Plant				--
4	APIIN	Plant				--
0	3-EPINOBILIN	Plant				--
0	EUCANNABINOLIDE	Plant				--
28	ALPHA-PINENE	Plant				--
0	2-METHYL-2-PROPYL-ANGELATE	Plant				--
0	(-)-BUTANE-1,3-DIYL-1-((Z)-2-METHYL-2-BUTENOATE)-3-ISOB...	Plant				--
2	MYRTENOL	Plant				--
60	SELENIUM	Flower				--
0	ISOBUTYL-ISOBUTYRATE	Plant				--
3	BETA-DAMASCENONE	Plant				--
0	5-(3-FURYL)-2-METHYL-1-PENTEN-3-OL	Plant				--
2	HUMULENE	Plant				--
0	APIGETRIN	Plant				--
1	3-DEHYDRONOBILIN	Plant				--
0	EPSILON-1-(2,6-DIMETHYLPHENYL)-2-BUTEN-1-ONE	Plant				--
0	ALPHA-P-DIMETHYL-STYRENE	Plant				--
0	2,3-DIHYDROXYCINNAMIC-ACID	Plant				--
22	UMBELLIFERONE	Plant				--

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60	LIMONENE	Plant				--
5	MYRTENAL	Plant				--
20	CHOLINE	Plant				--
2	SCOPOLETOL	Plant				--
0	ISOBUTYL-BUTYRATE	Plant				--
0	BETA-CUBEBENE	Plant				--
0	5	Plant				--
0	POLYACETYLENE	Plant				--
1	HEXYL-BUTYRATE	Plant				--
0	APIGENIN-7-GLUCOSIDE-(2',3')-DIACETATE	Plant				--
0	3,4-DIHYDROXYCINNAMIC-ACID	Plant				--
0	ALPHA-METHYLBUTYL-ISOBUTYRATE	Plant				--
67	1,8-CINEOLE	Plant				--
0	TRIACONTANE	Plant				--
8	INOSITOL	Flower				--
22	MYRCENE	Plant				--
10	CHAMAZULENE	Plant				--
0	SCOPOLETIN-7-GLUCOSIDE	Plant				--
0	ISOBUTYL-ANGELATE	Plant				--
0	BETA-COPAENE	Plant				--
0	4-ISOPROPENYL-TOLUENE	Plant				--