

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Calendula officinalis*

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Refernce Citation
0	FAT	Seed	260000.0	450000.0	0.9724195926436688	--
0	ALKALOIDS	Plant		190000.0	4.845499988585718	--
27	LINOLEIC-ACID	Seed	100000.0	177500.0	0.6030040062751071	--
18	OLEIC-ACID	Seed	42300.0	73000.0	-0.37899734969890375	--
13	PALMITIC-ACID	Seed	38900.0	67000.0	0.6828263466537076	--
35	TANNIN	Leaf		64500.0	-0.561937386622043	--
0	RESIN	Flower		34000.0		--
0	LINOLENIC-ACID	Seed	18600.0	32200.0	-0.017729945554310577	--
28	CALCIUM	Leaf		30400.0	0.8173912787097098	--
0	CAROTENOIDS	Flower		30000.0		--
2	PALMITOLEIC-ACID	Seed	12000.0	20500.0	0.1936260374258411	--
7	LAURIC-ACID	Plant	10000.0	17500.0	1.71672185861966	--
6	MYRISTIC-ACID	Seed	10300.0	16100.0	-0.08524029367925882	--
3	MUCILAGE	Flower		15000.0	-1.6128887758414006	--
0	FLAVONOIDS	Flower	3300.0	8000.0	-0.8781392402034289	--
15	MALIC-ACID	Flower		6400.0	-1.0	--
0	PROTEIN	Flower		6400.0	-1.582397698741256	--
0	EO	Flower	200.0	4000.0	-0.29015360760420156	--
112	ASCORBIC-ACID	Flower	1330.0	3100.0	0.11959038436316784	--
0	CALENDINE	Flower		100.0		--
34	SALICYLIC-ACID	Plant		0.34	-0.7273973384287522	--
0	TRANS-8,TRANS-10,CIS-12-OCTADECATRIENIC-ACID	Seed				--
0	NARCISSIN	Flower				--
0	CIS-LUTEOXANTHIN	Flower				--
0	7-METHYLTOCOL	Plant				--
15	LUTEIN	Flower				--
0	CALENDULOSIDES	Root				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	12-URSENE-3,6,21-TRIOL	Plant				--
75	KAEMPFEROL	Plant				--
1	PENTADECANOIC-ACID	Flower				--
0	FLAVOXANTHIN	Flower				--
0	AUROCHROME	Flower				--
2	TARAXASTEROL	Flower				--
0	CIS-FLAVOXANTHIN	Flower				--
0	6-PHYTYLTOLUQUINONE	Plant				--
0	CALENDULADIOL	Flower				--
87	RUTIN	Flower				--
2	ISORHAMNETIN-3-RUTINOSIDE	Flower				--
31	CARYOPHYLLENE	Flower				--
0	TARAX-20-ENE-3BETA,16BETA,30-TRIOL	Flower				--
0	MUTAXANTHIN	Flower				--
0	CHRYSANTHEMAXANTHIN	Flower				--
0	5-PHYTYLTOLUQUINONE	Plant				--
0	CALENDRIN	Plant				--
1	RUBIXANTHIN	Plant				--
0	ISORHAMNETIN-3-O-RUTINOSIDE	Flower				--
0	ZETA-CAROTENE	Flower				--
0	FLAVOCHROME	Plant				--
0	ARNADIOL	Flower				--
0	TARAX-20-ENE-3BETA,16BETA,22ALPHA-TRIOL	Flower				--
0	MUTATOCHROME	Plant				--
1	CHOLESTEROL	Flower				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	4-BETA-METHYLSTIGMASTA-7,24(28)-DIEN-3BETA-OL	Plant				--
0	CALENDOL	Plant				--
1	ISORHAMNETIN-3-GLUCOSIDE	Flower				--
2	VIOLAXANTHIN	Plant				--
0	P-HYDROXYPHENYLACETIC-ACID	Flower				--
0	FLAVOCHROME	Flower				--
0	ALPHA-TOCOPHEROLQUINONE	Plant				--
21	LUPEOL	Flower				--
0	CHOLESTANOL	Sprout Seedling				--
0	4-BETA-METHYLERGOSTA-7,24(28)-DIEN-3-BETA-OL	Flower				--
176	QUERCETIN	Plant				--
19	INULIN	Root				--
24	VANILLIC-ACID	Flower				--
13	P-HYDROXY-BENZOIC-ACID	Flower				--
32	ALPHA-TOCOPHEROL	Leaf				--
6	SYRINGIC-ACID	Flower				--
0	LUP-20(29)-ENE-3BETA,16BETA,28-TRIOL	Flower				--
0	METHYL-PENTOSE	Flower				--
0	CHOLEST-7-EN-3-BETA-OL	Sprout Seedling				--
0	4-ALPHA-METHYLSTIGMASTA-7,24(28)-DIEN-3BETA-OL	Plant				--
0	PYROGALLOL-TANNIN	Flower				--
0	HELIANTRIOL-F	Flower				--
0	URSATRIOL	Flower				--
25	P-COUMARIC-ACID	Plant				--

Activities Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
2	FARADIOL	Flower				--
10	ALPHA-AMYRIN	Flower				--
12	STIGMASTEROL	Flower				--
0	LONGISPINOGENINE	Flower				--
0	MANILADIOL	Flower				--
77	CHLOROGENIC-ACID	Flower				--
0	4-ALPHA-METHYL-24-METHYLENE-CHOLEST-7EN-3BETA-OL	Plant				--
0	PSI-TARAXASTEROL	Flower				--
0	HELIANTRIOL-C	Flower				--
102	CAFFEIC-ACID	Plant				--
0	URSADIOL	Plant				--
0	ERYTHRODIOL	Flower				--
0	CERYL-ALCOHOL	Flower				--
0	28-ISOFUCOSTEROL	Flower				--
0	STIGMASTANOL	Sprout Seedling				--
0	PSEUDOTARAXASTEROL	Flower				--
8	GENTISIC-ACID	Flower				--
0	BREIN	Flower				--
0	URSA-12-ENE-3BETA,16BETA,21-TRIOL	Plant				--
64	OLEANOLIC-ACID	Flower				--
0	9-HYDROXY-TRANS-10,CIS-12-OCTADECADIENIC-ACID	Seed				--
16	LYCOPENE	Flower				--
0	24-METHYLCHOLEST-7-EN-7-BETA-OL	Sprout Seedling				--
0	STIGMAST-7-EN-3-BETA-OL	Sprout Seedling				--
14	GAMMA-TOCOPHEROL	Leaf				--
47	BETA-SITOSTEROL	Flower				--

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0	URONIC-ACID	Flower				--
0	OLEAN-12-ENE-3BETA,16BETA,28-TRIOL	Flower				--
1	DIMORPHECOLIC-ACID	Seed				--
0	9'-CIS-LUTEIN	Flower				--
0	LUTEOXANTHIN	Flower				--
2	CAMPESTEROL	Flower				--
0	24-METHYLCHOLEST-5,22-DIEN-3-BETA-OL	Sprout Seedling				--
0	SAPONOSIDES	Plant				--
0	PLASTOQUINONE	Plant				--
1	GALACTOSE	Flower				--
9	BETA-AMYRIN	Flower				--
8	UBIQUINONE	Root				--
0	NEOLYCOPENE	Flower				--
0	CITROXANTHIN	Plant				--
0	8-METHYL-TOCOL	Plant				--
0	LAPENETRIOL	Flower				--
0	LUTEIN-EPOXIDE	Flower				--
0	CAMPESTANOL	Shoot				--
0	2,4-METHYLENE-CHOLESTEROL	Flower				--
0	SAPONIN	Flower				--
0	PHYTOFLUENE	Flower				--
0	FUCOSTANOL	Plant				--
0	AUROXANTHIN	Flower				--