

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Calendula officinalis*

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|-----------------------|--------------------------|-------------------|----------------|-----------------|---------------------|---------------------------|
| 10 | ALPHA-AMYRIN | Flower | -- | -- | | |
| 32 | ALPHA-TOCOPHEROL | Leaf | -- | -- | | |
| 112 | ASCORBIC-ACID | Flower | 1330 | 3100 | 0.11959038436316784 | |
| 9 | BETA-AMYRIN | Flower | -- | -- | | |
| 47 | BETA-SITOSTEROL | Flower | -- | -- | | |
| 102 | CAFFEIC-ACID | Plant | -- | -- | | |
| 28 | CALCIUM | Leaf | 30400 | 30400 | 0.8173912787097098 | |
| 2 | CAMPESTEROL | Flower | -- | -- | | |
| 31 | CARYOPHYLLENE | Flower | -- | -- | | |
| 77 | CHLOROGENIC-ACID | Flower | -- | -- | | |
| 1 | CHOLESTEROL | Flower | -- | -- | | |
| 1 | DIMORPHECOLIC-ACID | Seed | -- | -- | | |
| 2 | FARADIOL | Flower | -- | -- | | |
| 1 | GALACTOSE | Flower | -- | -- | | |
| 14 | GAMMA-TOCOPHEROL | Leaf | -- | -- | | |
| 8 | GENTISIC-ACID | Flower | -- | -- | | |
| 19 | INULIN | Root | -- | -- | | |
| 1 | ISORHAMNETIN-3-GLUCOSIDE | Flower | -- | -- | | |

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|----------------|---------------------------|------------|---------|----------|----------------------|--------------------|
| 2 | ISORHAMNETIN-3-RUTINOSIDE | Flower | -- | -- | | |
| 75 | KAEMPFEROL | Plant | -- | -- | | |
| 7 | LAURIC-ACID | Plant | 10000 | 17500 | 1.71672185861966 | |
| 27 | LINOLEIC-ACID | Seed | 100000 | 177500 | 0.6030040062751071 | |
| 21 | LUPEOL | Flower | -- | -- | | |
| 15 | LUTEIN | Flower | -- | -- | | |
| 16 | LYCOPENE | Flower | -- | -- | | |
| 15 | MALIC-ACID | Flower | 6400 | 6400 | -1 | |
| 3 | MUCILAGE | Flower | 15000 | 15000 | -1.6128887758414006 | |
| 6 | MYRISTIC-ACID | Seed | 10300 | 16100 | -0.08524029367925882 | |
| 64 | OLEANOLIC-ACID | Flower | -- | -- | | |
| 18 | OLEIC-ACID | Seed | 42300 | 73000 | -0.37899734969890375 | |
| 25 | P-COUMARIC-ACID | Plant | -- | -- | | |
| 13 | P-HYDROXY-BENZOIC-ACID | Flower | -- | -- | | |
| 13 | PALMITIC-ACID | Seed | 38900 | 67000 | 0.6828263466537076 | |
| 2 | PALMITOLEIC-ACID | Seed | 12000 | 20500 | 0.1936260374258411 | |
| 1 | PENTADECANOIC-ACID | Flower | -- | -- | | |
| 176 | QUERCETIN | Plant | -- | -- | | |
| 1 | RUBIXANTHIN | Plant | -- | -- | | |

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|----------------|----------------|------------|---------|----------|---------------------|--------------------|
| 87 | RUTIN | Flower | -- | -- | | |
| 34 | SALICYLIC-ACID | Plant | 0.34 | 0.34 | -0.7273973384287522 | |
| 12 | STIGMASTEROL | Flower | -- | -- | | |
| 6 | SYRINGIC-ACID | Flower | -- | -- | | |
| 35 | TANNIN | Leaf | 64500 | 64500 | -0.561937386622043 | |
| 2 | TARAXASTEROL | Flower | -- | -- | | |
| 8 | UBIQUINONE | Root | -- | -- | | |
| 24 | VANILLIC-ACID | Flower | -- | -- | | |
| 2 | VIOLAXANTHIN | Plant | -- | -- | | |