

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Spartium junceum*

| Activities Count | Chemical                         | Plant Part | Low PPM  | High PPM | StdDev               | Refernce Citation |
|------------------|----------------------------------|------------|----------|----------|----------------------|-------------------|
| 0                | 1,18-OCTADECANEDIOL              | Flower     |          |          |                      | --                |
| 0                | 1,26-HEXACOSANEDIOL              | Flower     |          |          |                      | --                |
| 3                | 2'-HYDROXYGENISTEIN              | Leaf       |          |          |                      | --                |
| 0                | 5-O-METHYLGENISTEIN              | Shoot      |          |          |                      | --                |
| 11               | ANAGYRINE                        | Flower     |          |          |                      | --                |
| 0                | ASH                              | Stem       |          | 44000.0  | -0.9265717504844788  | --                |
| 9                | BETA-AMYRIN                      | Flower     |          |          |                      | --                |
| 102              | CAFFEIC-ACID                     | Plant      |          |          |                      | --                |
| 28               | CALCIUM                          | Stem       |          | 6500.0   | -1.3276849903717276  | --                |
| 5                | CAPRYLIC-ACID                    | Flower     |          |          |                      | --                |
| 0                | CARBOHYDRATES                    | Stem       | 403000.0 | 800000.0 | 0.6975816542970472   | --                |
| 60               | CHRYSIN                          | Plant      |          |          |                      | --                |
| 0                | CHRYSIN-7-BETA-D-GLUCOPYRANOSIDE | Plant      |          |          |                      | --                |
| 0                | CHRYSIN-7-GENTIOBIOSIDE          | Plant      |          |          |                      | --                |
| 10               | CYTISINE                         | Fruit      |          | 6300.0   |                      | --                |
| 10               | CYTISINE                         | Flower     |          |          |                      | --                |
| 0                | CYTISINE-11-OXIDE                | Flower     |          |          |                      | --                |
| 0                | FAT                              | Stem       |          | 46000.0  | 1.3743375942150367   | --                |
| 0                | FAT                              | Seed       | 100000.0 | 124000.0 | -0.7447390172927743  | --                |
| 15               | FIBER                            | Stem       |          | 397000.0 | 0.788541857446456    | --                |
| 81               | GENISTEIN                        | Shoot      |          |          |                      | --                |
| 0                | JUNCEIN                          | Flower     |          |          |                      | --                |
| 27               | LINOLEIC-ACID                    | Seed       | 68800.0  | 85312.0  | -0.18687193000005983 | --                |
| 0                | LINOLENIC-ACID                   | Seed       |          |          |                      | --                |
| 21               | LUPEOL                           | Flower     |          |          |                      | --                |
| 1                | LUTEOLIN-4'-GLUCOSIDE            | Flower     |          |          |                      | --                |
| 7                | LUTEOLIN-7-GLUCOSIDE             | Flower     |          |          |                      | --                |

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|------------------|-------------------|------------|----------|----------|---------------------|-------------------|
| 6                | MYRISTIC-ACID     | Seed       |          |          |                     | --                |
| 0                | N-METHYL-CYTISINE | Flower     |          |          |                     | --                |
| 1                | N-NONACOSANE      | Flower     |          |          |                     | --                |
| 18               | OLEIC-ACID        | Seed       |          |          |                     | --                |
| 4                | ORIENTIN          | Flower     |          |          |                     | --                |
| 13               | PALMITIC-ACID     | Seed       |          |          |                     | --                |
| 4                | PHOSPHORUS        | Stem       |          | 2600.0   | 0.06902975293899401 | --                |
| 0                | PROTEIN           | Seed       | 300000.0 | 378000.0 | 1.2827686594229366  | --                |
| 0                | PROTEIN           | Dt         |          | 110000.0 |                     | --                |
| 0                | PROTEIN           | Plant      |          | 110000.0 | -0.520094843876237  | --                |
| 176              | QUERCETIN         | Plant      |          |          |                     | --                |
| 2                | SCOPARIN          | Flower     |          |          |                     | --                |
| 0                | SITOSTEROL        | Flower     |          |          |                     | --                |
| 21               | SPARTEINE         | Flower     |          |          |                     | --                |
| 8                | STEARIC-ACID      | Seed       |          |          |                     | --                |
| 0                | THERMOPSINE       | Flower     |          |          |                     | --                |