

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Lepidium sativum*

| Activities Count | Chemical              | Plant Part    | Low PPM | High PPM | StdDev                | Refernce Citation |
|------------------|-----------------------|---------------|---------|----------|-----------------------|-------------------|
| 32               | ALPHA-TOCOPHEROL      | Oil           |         | 1830.0   | 2.0035213900204276    | --                |
| 32               | ALPHA-TOCOPHEROL      | Leaf          | 7.0     | 66.0     | -0.9080803501097781   | --                |
| 112              | ASCORBIC-ACID         | Leaf          | 690.0   | 6510.0   | 0.16012494862868643   | --                |
| 1                | BEHENIC-ACID          | Seed          | 2750.0  | 4410.0   | -0.26522344507241363  | --                |
| 20               | BENZYL-ISOTHIOCYANATE | Plant         |         |          |                       | --                |
| 5                | BENZYL-THIOCYANATE    | Essential Oil |         |          |                       | --                |
| 53               | BETA-CAROTENE         | Leaf          | 20.0    | 526.0    | 1.1527627160656782    | --                |
| 47               | BETA-SITOSTEROL       | Seed          |         |          |                       | --                |
| 28               | CALCIUM               | Seed          | 3100.0  | 3290.0   | -0.1572880835353832   | --                |
| 28               | CALCIUM               | Leaf          | 810.0   | 20340.0  | 0.130015166113504     | --                |
| 1                | CELLULOSE             | Seed          |         | 9150.0   | -1.0859323179992477   | --                |
| 2                | COBALT                | Leaf          |         | 0.012    | -0.2988141345084901   | --                |
| 25               | DIALLYL-SULFIDE       | Essential Oil |         |          |                       | --                |
| 2                | ERUCIC-ACID           | Leaf          | 910.0   | 8585.0   | 0.3997423155436001    | --                |
| 15               | FIBER                 | Leaf          | 11000.0 | 103775.0 | -0.7142676493973603   | --                |
| 12               | IODINE                | Leaf          |         | 0.11     | -1.0096875885880112   | --                |
| 6                | IRON                  | Leaf          | 13.0    | 286.0    | -0.19564320884585473  | --                |
| 1                | LIGNOCERIC-ACID       | Seed          | 320.0   | 510.0    | -0.5583807882888466   | --                |
| 27               | LINOLEIC-ACID         | Leaf          | 1520.0  | 14340.0  | 1.0410474440421524    | --                |
| 3                | MUCILAGE              | Seed          |         | 50000.0  | -0.9282499219906043   | --                |
| 13               | MUFA                  | Leaf          | 2390.0  | 22545.0  | 1.462627658573604     | --                |
| 39               | NIACIN                | Leaf          | 10.0    | 95.0     | -0.030418329796116125 | --                |
| 3                | NICKEL                | Leaf          |         | 0.04     | -0.4422807587307894   | --                |
| 18               | OLEIC-ACID            | Seed          | 97450.0 | 156200.0 | 0.3049555009223302    | --                |
| 18               | OLEIC-ACID            | Leaf          | 870.0   | 8210.0   | 0.500732695138712     | --                |
| 13               | PALMITIC-ACID         | Seed          | 2020.0  | 3240.0   | -0.6327493366692233   | --                |
| 13               | PALMITIC-ACID         | Leaf          | 160.0   | 1510.0   | -0.3616671545916463   | --                |

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|------------------|--------------|------------|---------|----------|-----------------------|-------------------|
| 4                | PHOSPHORUS   | Seed       | 16500.0 | 17500.0  | 3.2098608816684266    | --                |
| 4                | PHOSPHORUS   | Leaf       | 760.0   | 7170.0   | 0.4045037319671731    | --                |
| 14               | POTASSIUM    | Leaf       | 6060.0  | 57170.0  | 1.184572789526858     | --                |
| 4                | PUFA         | Leaf       | 2280.0  | 21500.0  | 0.26713948072467186   | --                |
| 15               | RIBOFLAVIN   | Leaf       | 1.7     | 25.0     | -0.060674382795977866 | --                |
| 9                | SINAPIC-ACID | Seed       |         |          |                       | --                |
| 1                | SODIUM       | Leaf       | 140.0   | 1320.0   | -0.4128438201789938   | --                |
| 8                | STEARIC-ACID | Seed       | 9560.0  | 15325.0  | -0.2328895793915901   | --                |
| 8                | STEARIC-ACID | Leaf       | 70.0    | 660.0    | -0.19180777517367403  | --                |
| 14               | SULFUR       | Seed       | 9000.0  | 9545.0   | 3.9651698056626064    | --                |
| 31               | THIAMIN      | Leaf       | 0.8     | 7.5      | -0.1676939679321966   | --                |