

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Alliaria petiolata*

| Activity Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|----------------|----------------------------|---------------|---------|----------|---------------------|--------------------|
| 0 | 1-CYANO-2,3-EPITHIOPROPANE | Plant | -- | -- | | |
| 0 | 2-BUTYL-GLUCOSINOLATE | Plant | -- | -- | | |
| 0 | ALLIAROSIDE | Leaf | -- | -- | | |
| 0 | ALLYL-GLUCOSINOLATE | Plant | -- | -- | | |
| 16 | ALLYL-ISOTHIOCYANATE | Plant | 40 | 460 | | |
| 7 | ALLYL-SULFIDE | Plant | -- | -- | | |
| 0 | ALPHA-LINOLEIC-ACID | Plant | -- | -- | | |
| 15 | ALPHA-LINOLENIC-ACID | Plant | -- | -- | | |
| 0 | ARACHIDIC-ACID | Seed | 880 | 880 | -0.5696705086452614 | |
| 112 | ASCORBIC-ACID | Plant | -- | -- | | |
| 0 | BENZYL-GLUCOSINOLATE | Plant | -- | -- | | |
| 20 | BENZYL-ISOTHIOCYANATE | Essential Oil | 2 | 25 | | |
| 0 | BETA-LINOLENIC-ACID | Plant | -- | -- | | |
| 0 | BUT-3-ENYL-ISOTHIOCYANATE | Plant | -- | -- | | |
| 0 | CARDEONLIDES | Seed | -- | -- | | |
| 0 | CAROTENE | Plant | -- | -- | | |
| 25 | DIALLYL-SULFIDE | Seed | 500 | 960 | | |
| 0 | EICOSADIENIC-ACID | Seed | 1760 | 1760 | | |

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|----------------|----------------------------|---------------|---------|----------|----------------------|--------------------|
| 0 | EICOSENOIC-ACID | Seed | 8800 | 8800 | -0.6998273361328 | |
| 0 | EO | Plant | 50 | 520 | -0.7006095112434785 | |
| 0 | EO | Root | 330 | 930 | -0.6109868952569286 | |
| 0 | EO | Seed | 5000 | 9600 | -0.42913786371274915 | |
| 2 | ERUCIC-ACID | Seed | 103400 | 170940 | 0.9882124485930113 | |
| 0 | FAT | Seed | 220000 | 220000 | -0.23907267817038622 | |
| 0 | FERULOYL-CHOLINE | Seed | -- | -- | | |
| 0 | FERULOYL-ISOCHOLINE | Seed | -- | -- | | |
| 8 | GLYCEROL | Plant | -- | -- | | |
| 0 | GLYCOLIC-ACID-OXIDASE | Plant | -- | -- | | |
| 0 | ISOTHIOCYANATES | Essential Oil | 45 | 468 | | |
| 27 | LINOLEIC-ACID | Seed | 48400 | 48400 | -0.5031376105635709 | |
| 0 | LINOLENIC-ACID | Seed | 8800 | 8800 | -0.4262359603802417 | |
| 0 | MYROSIN | Plant | -- | -- | | |
| 18 | OLEIC-ACID | Plant | 15400 | 15400 | 2.26955877637671 | |
| 13 | PALMITIC-ACID | Plant | 8800 | 8800 | -0.48829007625413884 | |
| 0 | PROP-2-ENYL-ISOTHIOCYANATE | Plant | -- | -- | | |
| 0 | PROTEIN | Seed | 280000 | 280000 | 0.41100790737499276 | |
| 0 | SAPONARIN | Plant | -- | -- | | |

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|----------------|---------------------------------------|------------|---------|----------|---------------------|--------------------|
| 9 | SINAPIC-ACID | Seed | -- | -- | | |
| 0 | SINAPIC-ACID-O-BETA-D-GLUCOPYRANOSIDE | Seed | -- | -- | | |
| 0 | SINAPINE | Seed | -- | -- | | |
| 0 | SINAPINE-O-BETA-D-GLUCOPYRANOSIDE | Seed | -- | -- | | |
| 7 | SINIGRIN | Plant | -- | -- | | |
| 10 | SQUALENE | Plant | -- | -- | | |
| 8 | STEARIC-ACID | Seed | 880 | 880 | -0.5462970284872747 | |
| 0 | TETRACOSADIENOIC-ACID | Seed | 17600 | 17600 | | |