

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Acacia nilotica*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|--|---------------------|----------|----------|---------------------|-------------------|
| 35 | TANNIN | Resin, Exudate, Sap | 170000.0 | 200000.0 | -0.6588112916807376 | -- |
| 0 | PROTEIN | Seed | 136000.0 | 452000.0 | 1.9410369823979152 | -- |
| 0 | ASH | Seed | 40000.0 | 54000.0 | 0.18407167746881994 | -- |
| 0 | FAT | Seed | 35000.0 | 115000.0 | -0.7921452365854982 | -- |
| 15 | FIBER | Seed | 25000.0 | 166000.0 | 0.24652774832059782 | -- |
| 32 | HYDROQUINONE | Plant | | | | -- |
| 0 | ALDOBIOTRIOURONIC-ACID | Plant | | | | -- |
| 14 | SUCROSE | Seed | | | | -- |
| 0 | DIASTASE | Plant | | | | -- |
| 0 | 3',4',7,8-TETRAHYDROXYFLAVONOLID | Plant | | | | -- |
| 176 | QUERCETIN | Plant | | | | -- |
| 1 | LYSOLECITHIN | Plant | | | | -- |
| 9 | BETA-AMYRIN | Root | | | | -- |
| 3 | XYLOSE | Fruit | | | | -- |
| 9 | OXALIC-ACID | Plant | | | | -- |
| 7 | GLUCOSE | Fruit | | | | -- |
| 0 | ALDOBIONIC-ACID | Plant | | | | -- |
| 1 | SODIUM | Plant | | | | -- |
| 6 | OCTACOSANOL | Root | | | | -- |
| 0 | D-GLUCURONIC-ACID | Plant | | | | -- |
| 0 | 3',4',5,7-TETRAHYDROXYFLAVAN-3-OL(-)-EPICATECHOL | Fruit | | | | -- |
| 23 | PYROGALLOL | Plant | | | | -- |
| 0 | LINOELIC-ACID | Plant | | | | -- |
| 0 | XANTHURENIC-ACID | Plant | | | | -- |
| 18 | OLEIC-ACID | Plant | | | | -- |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|---|---------------------|---------|----------|--------|-------------------|
| 62 | GALLIC-ACID | Resin, Exudate, Sap | | | | -- |
| 0 | 8-HYDROXYQUINOLINE | Plant | | | | -- |
| 4 | SILICON | Plant | | | | -- |
| 0 | MYRECETIN-4'-METHYLEETHER-3-RHAMNOSIDE | Plant | | | | -- |
| 0 | D-GALACTOSE | Plant | | | | -- |
| 0 | 3',4',5,7-TETRAHYDROXYFLAVAN-3-OL | Fruit | | | | -- |
| 43 | PROTocatechuic-ACID | Fruit | | | | -- |
| 0 | ASCORBIC-ACID-OXIDASE | Plant | | | | -- |
| 0 | URONIC-ACID | Plant | | | | -- |
| 13 | LIGNIN | Plant | | | | -- |
| 0 | GALACTURONIC-ACID | Plant | | | | -- |
| 0 | 7-HYDROXYQUINOLINE | Plant | | | | -- |
| 0 | SAPONIN | Plant | | | | -- |
| 3 | MUCILAGE | Plant | | | | -- |
| 0 | D-CATECHOL | Plant | | | | -- |
| 0 | 2-O-BETA-L-ARABINOFURANOSYL-L-ARABINOSE | Plant | | | | -- |
| 112 | ASCORBIC-ACID | Plant | | | | -- |
| 31 | THIAMIN | Plant | | | | -- |
| 0 | LACTONE | Plant | | | | -- |
| 8 | FRUCTOSE | Plant | | | | -- |
| 0 | 7-COUMARINYL-ACID | Plant | | | | -- |
| 0 | ROSIN | Plant | | | | -- |
| 0 | MONOBUTYRINASE | Plant | | | | -- |
| 77 | CHLOROGENIC-ACID | Plant | | | | -- |
| 0 | (3)-LEUCOCYANIDIN-GALLATE | Plant | | | | -- |

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|------------------|------------------------------|---------------------|---------|----------|----------------------|--------------------|
| 14 | POTASSIUM | Plant | | | | -- |
| 0 | ARABINOSE | Fruit | | | | -- |
| 35 | TANNIN | Wood | | 63500.0 | 0.39532807016866817 | -- |
| 0 | L-ARABINOSE | Plant | | | | -- |
| 0 | 6-HYDROXYQUINOLINE | Plant | | | | -- |
| 0 | ROBIDANDIOL | Plant | | | | -- |
| 14 | MANGANESE | Plant | | | | -- |
| 1 | CELLULOSE | Plant | | | | -- |
| 0 | (+)-PYROCATECHOL | Plant | | | | -- |
| 0 | POLYPHENOL-OXIDASE | Plant | | | | -- |
| 0 | ARABINOFURANOSYL-L-ARABINOSE | Resin, Exudate, Sap | | | | -- |
| 35 | TANNIN | Seed | | 66100.0 | -0.17202297185321858 | -- |
| 3 | KAURENIC-ACID | Plant | | | | -- |
| 0 | 4-ALDOBIOURONIC-ACID | Plant | | | | -- |
| 15 | RIBOFLAVIN | Plant | | | | -- |
| 0 | MALTASE | Plant | | | | -- |
| 0 | CARBOHYDRATES | Plant | | | | -- |
| 21 | (-)-EPIGALLOCATECHIN | Plant | | | | -- |
| 0 | (+)-LEUCOCYANIDIN | Plant | | | | -- |
| 8 | PHLOROGLUCINOL | Plant | | | | -- |
| 0 | ARABIC-ACID | Plant | | | | -- |
| 0 | KAEMPFEROL-3-O-GLUCOSIDE | Plant | | | | -- |
| 0 | EPICATECHOL-GALLATE | Plant | | | | -- |
| 0 | 4',7,8-TRIHYDROXYFLAVONOID | Plant | | | | -- |
| 0 | RHAMNOSE | Fruit | | | | -- |
| 15 | MALIC-ACID | Plant | | | | -- |
| 28 | CALCIUM | Plant | | | | -- |

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|------------------|---|---------------------|---------|----------|---------------------|----------------------------|
| 0 | (-)-DICATECHIN | Plant | | | | -- |
| 0 | (+)-GALLOCATECHOL | Plant | | | | -- |
| 0 | PHLOBATANNIN | Plant | | | | -- |
| 35 | TANNIN | Fruit | | 349500.0 | 2.460165206941449 | -- |
| 2 | ISORHAMNETIN-3-RUTINOSIDE | Plant | | | | -- |
| 1 | AMYLASE | Plant | | | | -- |
| 51 | ELLAGIC-ACID | Bark | | | | -- |
| 0 | 3-QUINOLYL-ACID | Plant | | | | -- |
| 1 | RAFFINOSE | Seed | | | | -- |
| 65 | MAGNESIUM | Plant | | | | -- |
| 13 | BETULIN | Root Bark | | | | Jim Duke's personal files. |
| 6 | EPIGALLOCATECHIN | Plant | | | | -- |
| 30 | (+)-CATECHIN | Plant | | | | -- |
| 0 | PHLOBAPHENE | Plant | | | | -- |
| 35 | TANNIN | Bark | | 27100.0 | -0.9971131037044363 | -- |
| 22 | ISOQUERCITRIN | Plant | | | | -- |
| 5 | ALUMINUM | Plant | | | | -- |
| 4 | DIGITONIN | Plant | | | | -- |
| 0 | 3-O-BETA-L-ARABINOPYRANOSYL-L-ARABINOSE | Resin, Exudate, Sap | | | | -- |
| 44 | QUERCITRIN | Plant | | | | -- |
| 0 | M-DIGALLIC-ACID | Bark | | | | -- |
| 13 | BETULIN | Plant | | | | -- |
| 0 | EPICATECHOL | Plant | | | | -- |
| 0 | PEROXIDASE | Plant | | | | -- |
| 1 | INDOLE-ACETIC-ACID | Plant | | | | -- |
| 0 | ALPHA-SITOSTEROL | Plant | | | | -- |

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|------------------|---|------------|---------|----------|--------|-------------------|
| 0 | TANNASE | Plant | | | | -- |
| 0 | DICATECHOL | Plant | | | | -- |
| 0 | 3',4',7- TRIHYDROXYFLAVAN-3,4- DIOL | Fruit | | | | -- |
| 0 | QUERCETIN-3-O- RUTINOSIDE | Plant | | | | -- |
| 0 | M-AMINOPHENYL- GLYCOSIDE | Plant | | | | -- |
| 53 | BETA-CAROTENE | Plant | | | | -- |
| 0 | DICATECHIN | Plant | | | | -- |
| 0 | OXIDASE | Plant | | | | -- |