

Dr. Duke's Phytochemical and Ethnobotanical Databases

Chemicals found in *Abelmoschus moschatus*

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|-------------------------------------|------------|---------|----------|--------|--|
| 0 | (Z)-5-DODECENYL-ACETATE | Seed | 0.2 | 0.6 | | -- |
| 0 | (Z)-5-TETRADECEN-14-OLIDE | Seed | 10.0 | 30.0 | | -- |
| 0 | (Z)-5-TETRADECENYL-ACETATE | Seed | 8.0 | 24.0 | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 0 | 12,13-EPOXYOLEIC-ACID | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | 2-TRANS-6-TRANS-FARNESOL | Seed | | | | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp. |
| 0 | 5-DODECENYL-ACETATE | Seed | | 1.0 | | -- |
| 0 | 5-TETRADECEN-14-OLIDE | Seed | | 25.0 | | -- |
| 0 | 5-TETRADECENYL-ACETATE | Seed | | 20.0 | | -- |
| 16 | ACETIC-ACID | Plant | | | | -- |
| 16 | ACETIC-ACID | Seed | | | | Wealth of India. |
| 0 | ALPHA-CEPHALIN | Seed | | | | Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989. |
| 0 | AMBRETTOL | Plant | | | | -- |
| 0 | AMBRETTOLIC-ACID | Seed | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 1 | AMBRETTOLIDE | Seed | 4.0 | 6.0 | | -- |
| 0 | AMBRETTOLIDE(=7-HEXADECEN-16-OLIDE) | Seed | | | | -- |
| 47 | BETA-SITOSTEROL | Seed | | | | Wealth of India. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|----------------------------------|------------|----------|----------|----------------------|--|
| 0 | BETA-SITOSTEROL-BETA-D-GLYCOSIDE | Seed | | | | Wealth of India. |
| 2 | CAMPESTEROL | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 1 | CHOLESTEROL | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 1 | DECYL-ACETATE | Seed | | 350.0 | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 0 | DECYL-ALCOHOL | Seed | | 350.0 | | Lawrence, B.M., Essential Oils 1976-1977, Essential Oils 1978, Essential Oils 1979-1980. |
| 0 | EO | Seed | 2000.0 | 6000.0 | -0.47464874093459924 | -- |
| 5 | ERGOSTEROL | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 17 | FARNESOL | Seed | | 1200.0 | 1.0 | -- |
| 0 | FAT | Seed | 145000.0 | 164000.0 | -0.5340447093251126 | Wealth of India. |
| 15 | FIBER | Seed | 314600.0 | 370000.0 | 1.8573465898447123 | Wealth of India. |
| 6 | FURFURAL | Seed | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 75 | KAEMPFEROL | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |
| 0 | KAEMPFEROL-3-O-GLUCOSIDE | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|------------------------------|------------|---------|----------|--------|--|
| 0 | MALVALIC-ACID | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | METHIONINE-SULFOXIDE | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | METHIONINE-SULFOXIDE | Plant | | | | -- |
| 3 | MUCILAGE | Root | | | | ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes. |
| 0 | MYRICICETIN | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |
| 0 | MYRICICETIN-3'-GLUCOSIDE | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |
| 6 | MYRISTIC-ACID | Plant | | | | -- |
| 6 | MYRISTIC-ACID | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 18 | OLEIC-ACID | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | OXACYCLONNONADEC-10-EN-2-ONE | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 13 | PALMITIC-ACID | Plant | | | | -- |
| 13 | PALMITIC-ACID | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Reference Citation |
|------------------|---------------------------------|------------|----------|----------|---------------------|--|
| 0 | PHOSPHATIDYL-SERINE | Seed | | | | Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, 1988, reprint 1989. |
| 0 | PHOSPHATIDYLCHOLINE-PLASMALOGEN | Plant | | | | -- |
| 0 | PHOSPHATIDYLCHOLINE-PLASMALOGEN | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | PHOSPHATIDYLSERINE-PLASMALOGEN | Plant | | | | -- |
| 0 | PHOSPHATIDYLSERINE-PLASMALOGEN | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 0 | PINEOL | Plant | | | | J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991. |
| 0 | PROTEIN | Seed | 23000.0 | 26000.0 | -1.8484536336472293 | Wealth of India. |
| 176 | QUERCETIN | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |
| 2 | QUERCETIN-3'-GLUCOSIDE | Flower | | | | Rizk, A.F.M. and Al-Nowaihi, A.S., The Phytochemistry of the Horticultural Plants of Qatar, Scientific and Applied Research Centre, University of Qatar. |
| 0 | RESIN | Seed | | 65000.0 | -0.4413089361281032 | Wealth of India. |
| 5 | STARCH | Seed | 133500.0 | 150000.0 | -0.6485575814204301 | Wealth of India. |
| 4 | STERCULIC-ACID | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |
| 12 | STIGMASTEROL | Seed | | | | Leung, A. Y. and Foster, S. 1995. Encyclopedia of Common Natural Ingredients 2nd Ed. John Wiley & Sons, New York. 649 pp. |

| Activities Count | Chemical | Plant Part | Low PPM | High PPM | StdDev | Refernce Citation |
|------------------|------------------------------|------------|---------|----------|----------------------|-------------------|
| 0 | TRANS-TRANS-FARNESYL-ACETATE | Seed | | | | -- |
| 0 | WATER | Seed | | 114000.0 | -0.43595782900284474 | Wealth of India. |