

# List of All Chemicals

## **P** Maytenus aquifolium (Celastraceae)

### How used

Medicinal

\*Unless otherwise noted all references are to Duke, James A. 1992. Handbook of phytochemical constituents of GRAS herbs and other economic plants. Boca Raton, FL. CRC Press.

| Chemical                                      | Part <input type="button" value="All"/> | Low PPM  | High PPM | StdDev | *Reference                 |
|---|---|--|----------|--------|----------------------------|
| BETULINIC-ACID                                | Plant                                   | --   | --       |        | Jim Duke's personal files. |
| <b>Activities (22)</b>                        |   |  |          |        |                            |
| Anthelmintic                                  |   |  |          |        |                            |
| AntiHIV EC50=2.0 ug/ml                        |   | Kashiwada, Y., et. al. 1998. Anti-AIDS Agents. 30. Anti-HIV Activity of Oleanolic Acid, Pomolic Acid, and Structurally Related Triterpenoids. J. Nat. Prod., 61 (9): 1090-1095.                                  |          |        |                            |
| AntiHIV IC50=6.5 ug/ml                        |   |  |          |        |                            |
| AntiHIV 14.8 uM                               |   |  |          |        |                            |
| Antibacterial                                 |   |  |          |        |                            |
| Anticancer                                    |   |  |          |        |                            |
|   |   | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.   |          |        |                            |
| Anticarcinomic                                |   |  |          |        |                            |
|   |   | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.   |          |        |                            |
| Antiedemic                                    |   |  |          |        |                            |
| Antiinflammatory                              |   | Recio, M., et al. 1994. Investigations on the Steroidal Anti-Inflammatory Activity of Triterpenoids from Diospyros leucomelas*. Planta Medica, 61: 9.  |          |        |                            |
| Antileukemic                                  |   |  |          |        |                            |
| Antimalarial IC50=19-26 ug/ml                 |   |  |          |        |                            |
| Antimelanomic                                 |   | New York Times, 3/28/95.   |          |        |                            |
| Antinociceptive                               |   |  |          |        |                            |
| Antiplasmodial IC50=19-26 ug/ml               |   |  |          |        |                            |
| Antitumor                                     |   | Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.   |          |        |                            |
| Antiviral 14.8 uM                             |   |  |          |        |                            |
| Apoptotic                                     |   |  |          |        |                            |
| Cytotoxic 50-100 ppm                          |   | Biosyn. Prod. Cancer Chemotherapy (Petit et al)  |          |        |                            |
| Cytotoxic 16.4 uM                             |   |  |          |        |                            |
| Phospholipase-A2-Inhibitor                    |   |  |          |        |                            |
| Prostaglandin-Synthesis-Inhibitor 200 ug/ml   |   | Dunstan, C. A., Liu, B., Welch, C. J., Perera, P., Bohlin, L. 1998. Alphitol, a Phenolic Substance from Alphonis zizyphoides which Inhibits Prostaglandin Biosynthesis in vitro. Phytochemistry, 48(3): 495-497. |          |        |                            |
| Prostaglandin-Synthesis-Inhibitor IC50=101 uM |   | Huang, C., Tunon, H., Bohlin, L. 1995. Anti-Inflammatory Compounds Isolated from Menyanthes trifoliata L. Yao Hsueh Hsueh Pao, 30(8): 621-626.   |          |        |                            |