

List of All Chemicals

P Adansonia digitata (Bombacaceae)

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 | All parts ... | Low PPM | High PPM | StdDev | *Reference |
|---|------|--|---------|----------|--------|----------------------------|
| BETULINIC-ACID | Bark | | -- | -- | | Jim Duke's personal files. |
| Activities (22) | | | | | | |
| 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. | | | | |
| PALMITIC-ACID | Seed | | 40800.0 | 98940.0 | 1.34 | Wealth of India. |

Activities (13)

5-Alpha-Reductase-Inhibitor

Antiallopecic

Antiandrogenic

Antifibrinolytic

Economic & Medicinal Plant Research, 1: 53.

Antioxidant IC40=60

FLavor FEMA 1

Aloe Research Council - Duke writeup of non-peer reviewed book by Coats and draft by Henry

Hemolytic

Bisset, N.G., ed. 1994. Herbal Drugs and Phytopharmaceuticals. CRC Press. Boca Raton, FL. 566 pp.

Hypercholesterolemic

Spiller, G. A. 1996 (Spiller, G. A. Ed. 1996. CRC Handbook of Lipids in Human Nutrition. CRC Press. Boca Raton, FL. 233 pp.)

Lubricant

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Nematicide

Nigg, H.N. and Seigler, D.S., eds. 1992. Phytochemical Resources for Medicine and Agriculture. Plenum Press, New York. 445 pp.

Pesticide

Propecic

Soap

Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.