

List of All Chemicals

P Plumeria obtusa (Apocynaceae)

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	Low PPM	High PPM	StdDev	*Reference
BETULINIC-ACID	Leaf		--	3.4	-1.0	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.