

# List of All Chemicals

## **P** Morus serrata (Moraceae)

### 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	Bark	--	--		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.			