

Sitosterol

Rotación específica, características físicas y punto de fusión

The Index Merck: an encyclopedia of chemicals, drugs, and biologicals. 14th. ed. Whitehouse Station, NJ USA: Merck & Co INC, 2006.

IR, RMN¹H, RMN¹³C y EM (FAB)

Ahmad F, Ali Mohd, Alam P. 2010. New phytoconstituents from the stem bark of *Tinospora cordifolia* Miers. *Nat Prod Res* 24(10): 926-934.

Difracción de rayos X

Kawachi H, Tanaka R, Hirano M, Igarashi K, Ooshima H. 2006. Crystallization of β -sitosterol using a water-immiscible solvent hexane. *J Chem Eng Jpn* 39(8): 869-875.

Inhibición de la actividad y el contenido de TG GPDH de los compuestos aislados en adipocitos 3T3-L1.

Yang ZG, Matsuzaki K, Takamatsu S, Kitanaka S. 2011. Inhibitory effects of constituents from *Morus alba* var. *multicaulis* on differentiation of 3T3-L1 cells and nitric oxide production in RAW264.7 cells. *Molecules* 16: 6010-6022.

Actividad antiinflamatoria mediante el incremento de la actividad de la tirosina fosfatasa SHP-1.

Valerio M, Awad AB. 2011. β -Sitosterol down-regulates some pro-inflammatory signal transduction pathways by increasing the activity of tyrosine phosphatase SHP-1 in J774A.1 murine macrophages. *Int Immunopharmacol* 11(8): 1012-1017.

Actividad antiinflamatoria y antidiarreico.

Rohini RM, Das Amit K. 2010. Antidiarrheal and anti inflammatory activities of lupeol, quercetin, β -sitosterol, adene-5-en-3-ol and caffeic acid isolated from *Rhizophora mucronata* bark. *Pharmacia Lettre* 2(5): 95-101.

Actividad antipirética

Gupta MB, Nath R, Srivastava N, Shanker K, Kishor K, Bhargava KP. 1980. Antiinflammatory and antipyretic activities of β -sitosterol. *Planta Med* 39(2): 157-163.