

## 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, RMN<sup>1</sup>H, RMN<sup>13</sup>C y EM (FAB)**

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

### **Difracción de rayos X**

Kawachi H, Tanaka R, Hirano M, Igarashi K, Ooshima H. 2006. Crystallization of  $\beta$ -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.  $\beta$ -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,  $\beta$ -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  $\beta$ -sitosterol. *Planta Med* 39(2): 157-163.