

Ácido kauradienoico

Características físicas

Brieskorn CH, Poehlmann E. 1969. Kaura-9(11)16-dien-19-oic acid and 15 α -acetoxy-kaur-16-en-19-oic acid. Chem Ber 102(8): 2621-2628.

Punto de fusión (°), Rotación específica (°)

Zamilpa A, Tortoriello J, Navarro V, Delgado G, Alvarez L. 2002. Antispasmodic and antimicrobial diterpenic acids from Viguiera hypargyrea roots. Planta Med 68(3): 281-283.

Espectroscopia Bidimensional HMBC, HSQC, COLOC, FLOCK

Reynolds WF, Enriquez RG. 2001. Gradient-selected versus phase-cycled HMBC and HSQC: pros and cons. Magn Reson Chem 39(9): 531-538.

RMN¹³C

Qiang Y, Du DL, Chen YJ, Gao K. 2011. ent-Kaurane diterpenes and further constituents from Wedelia trilobata. Helv Chim Acta 94(5): 817-823.

RMN¹H

Batista R, Braga FC, Oliveira AB. 2005. Quantitative determination by HPLC of ent-kaurenoic and grandiflorenic acids in aerial parts of Wedelia paludosa D.C. Revista Brasileira de Farmacognosia 15(2): 119-125.

NOE, NOESY

Enriquez RG, Barajas J, Ortiz B, Lough AJ, Reynolds WF, Yu M, Leon I, Gnecco D. 1997. Comparison of crystal and solution structures and ¹H and ¹³C chemical shifts for grandiflorenic acid, kaurenoic acid, and mogynoic acid. Can J Chem 75(3): 342-347.

EM

Enriquez RG, Miranda-G E, Ortiz B, Leon I, Peña WF, Gnecco D. 1996. The unambiguous detection of kaurenic derivatives in aqueous infusions of Montanoa tomentosa by GC-MS and 2D-NMR spectroscopy. An answer to contradictory reports. Planta Med 62(6): 569-571.

Actividad cardiovascular y diurética

Somova LI, Shode FO, Moodley K, Govender Y. 2001. Cardiovascular and diuretic activity of kaurene derivatives of Xylopia aethiopica and Alepidea amatymbica. J Ethnopharmacol 77(2-3): 165-174.

Potencial actividad curativa de heridas, inhibiendo la fase inflamatoria al reducir citoquinas de macrófagos de células Raw 264.7

Balekar N, Nakpheng T, Srichana T. 2013. Wound-healing potential of grandiflorenic acid isolated from Wedelia trilobata (L.) leaves. Songklanakarin Journal of Science and Technology 35(5): 537-546.

Efecto estimulante en células de fibroblastos L929, indicando actividad potencial en la cura de heridas

Balekar N, Nakpheng T, Srichana T. 2013. In vitro stimulatory effect of grandiflorenic acid isolated from Wedelia trilobata (L.) leaves on L929 fibroblast cells. Thai Journal of Pharmaceutical Sciences 37(3): 117-124.

Efecto vaso relajante en anillos aórticos.

Mondolis E, Moran-Pinzon JA, Rojas-Marquez FA, Lopez-Perez JL, Abad A, Amaro-Luis JM, Guerrero de Leon E. 2013. Vasorelaxant effects in aortic rings of eight diterpenoids isolated from

three Venezuelan plants. *Revista Brasileira de Farmacognosia* 23(5): 769-775.