

Imperatorina

Características físicas y sinónimos “6-Hydroxy-7-(3-methyl)-2-butenyloxy)-5-benzofuranacrylic acid δ-lactona; 8-Isoamyleneoxypsoralen; Pentosalen”

The Index Merck: an encyclopedia of chemicals, drugs, and biologicals. 15th. ed. Whitehouse Station, NJ USA: Merck & Co INC, 2013.

UV, IR, RMN¹H, RMN¹³C, Masas

Ghosh K. 2004. A furocoumarin, Imperatorin isolated from Urena lobata L. Molbank M382.

Rayos X y sinónimo “9-(3-metilbut-2-eniloxifurano)[3,2-g] benzopiran-2-ona”

Rajnikant D, Shawl AS, Singh TP, Goel V, Sharma B. 2005. Crystallographic analysis of 9-(3-methylbut-2-enyloxy)furan[3,2-g]benzopyran-2-one. J Chem Crystallogr 35(11): 913-916.

Induce apoptosis (25μg/ml)

Appendino G, Bianchi F, Bader A, Campagnolo C, Fattorusso E, Taglialatela SO, Blanco MM, Macho A, Fiebich BL, Brenine P, Heinrich M, Ballero M, Munoz E. 2004. Coumarins from *Opopanax chironium*. New dihydrofuranocoumarins and differential induction of apoptosis by imperatorin and heraclenin. J Nat Prod, 67(4): 532-536.

Actividad hepatoprotectora (EC₅₀36.6±6.36 μM)

Oh H, Lee HS, Kim T, Chai KY, Chung, HT, Kwon TO, Jun JY, Jeong OS, Kim YC, Yun YG. 2002. Furocoumarins from *Angelica dahurica* with hepatoprotective activity on tacrine-induced cytotoxicity in Hep G2 cells. Planta Med 68(5): 463-464.

Sinónimo “9-(3-metilbut-2-eniloxi)-7H-furo[3,2-g]cromen-7-ona”

Atta-ur-Rahman, Zareen S, Choudhary MI, Shaheen F, Parvez M . 2004. Conformations of imperatorin. Acta Crystallogr Sect E: Struct Rep Online E60(9): o1460-o1462.