

Product Data Sheet

Product Name: Yuanhuacine

Cat. No.: GC60389

Chemical Properties

Cas. No. 60195-70-2

SMILES O=C1C(C)=C[C@]2([H])[C@]1(O)[C@H](O)[C@]3(CO)[C@@]([C@]4([H])[C@]25[C@H](C)[C@@H](OC(C6=CC=CC=C6)=O)[C@@]7(C(C)=C)[C@]4([H])O[C@](O5)(/C=C/C=C/CCCCC)O7)([H])O3

Formula C₃₇H₄₄O₁₀

M.Wt 648.74

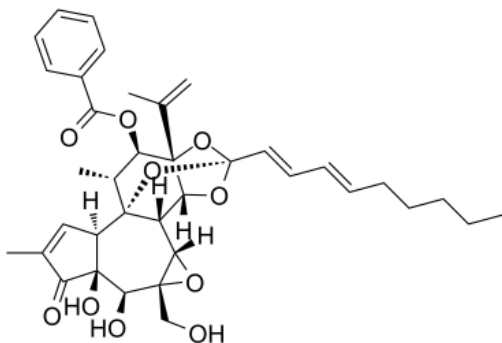
Solubility

Storage Store at 2-8°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Yuanhuacine (Gnidilatidin), a daphnane diterpenoid from the flowers of *Daphne genkwa* with extensive anti-tumor activity. Yuanhuacine is a DNA-damaging agent with orally active [1][2].

Caution: Product has not been fully validated for medical applications. For research use only.

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[1]. Ji In Kang, et al. Anti-Tumor Activity of Yuanhuacine by Regulating AMPK/mTOR Signaling Pathway and Actin Cytoskeleton Organization in Non-Small Cell Lung Cancer Cells. PLoS One. 2015 Dec 11;10(12):e0144368. [2]. Ruowen Zhang, et al. The Chinese herb isolate yuanhuacine (YHL-14) induces G2/M arrest in human cancer cells by up-regulating p21 protein expression through an p53 protein-independent cascade. J Biol Chem. 2014 Mar 7;289(10):6394-403.

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