

Product Data Sheet

Product Name: Euphorbiasteroid

Cat. No.: GC38422

Chemical Properties

Cas. No. 28649-59-4

SMILES CC(O[C@@](C[C@H](C)[C@@H]1OC(CC2=CC=CC=C2)=O)(C(/C(C)=C\[C@@H](C3(C)C)[C@@H]3CC[C@@]45CO5)=O)[C@@]1([H])[C@@H]4OC(C)=O)=O

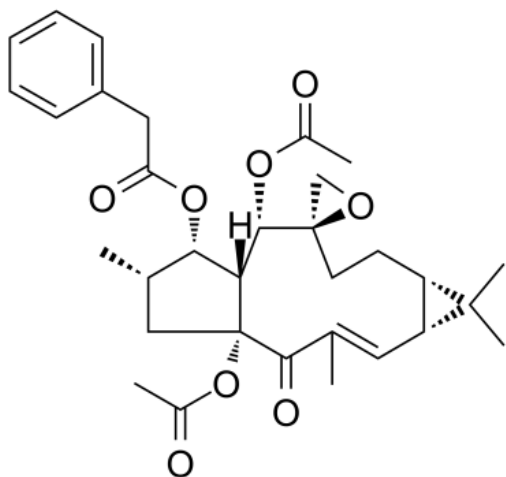
Formula $C_{32}H_{40}O_8$ M.Wt 552.66

Solubility DMF: 5 mg/ml, DMSO: 5 mg/ml, Ethanol: Partially soluble Storage 4°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

Euphorbiasteroid is a tricyclic diterpene of *Euphorbia lathyris* L., inhibits tyrosinase, and increases the phosphorylation of AMPK, with anti-cancer, anti-virus, anti-obesity and multidrug resistance-modulating effect[1].

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

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[1]. Park SJ, et al. Euphorbiasteroid, a component of Euphorbia lathyris L., inhibits adipogenesis of 3T3-L1 cells via activation of AMP-activated protein kinase. Cell Biochem Funct. 2015 Jun;33(4):220-5.

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