
Product Data Sheet

Product Name: Dehydrotumulosic acid

Cat. No.: GC38453

Chemical Properties

Cas. No. 6754-16-1

SMILES C[C@]12[C@@]([C@]([C@H](C(O)=O)CCC(C(C)C)=C)([H])[C@H](O)C1)(CC=C3C2=CC[C@]4([H])[C@@]3(CC[C@H](O)C4(C)C)CFormula C₃₁H₄₈O₄

M.Wt 484.71

Solubility DMSO : 33.33 mg/mL (68.76 mM; Need ultrasonic) Storage Store at -20°C

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

Dehydrotumulosic acid is a triterpene that has been found in *P. cocos* and has anticancer and anti-inflammatory activities.^{1,2} It enhances the cytotoxicity of vincristine against multidrug-resistant KBv200 cells when used at concentrations of 12.5 or 25 ? g/ml.¹ Dehydrotumulosic acid (50 mg/kg) reduces serotonin-induced hind paw edema, as well as ear edema induced by phorbol 12-myristate 13-acetate , in mice.²

1. Shan, H., Qinglin, Z., Fengjun, X., et al. Reversal of multidrug resistance of KBV200 cells by triterpenoids isolated from *Poria cocos* *Planta Med.* 78(5)428-433(2012)
 2. Giner, E.M., Máñez, S., Recio, M.C., et al. In vivo studies on the anti-inflammatory activity of pachymic and dehydrotumulosic acids *Planta Med.* 66(3)221-227(2000)

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

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