

Product Data Sheet

Product Name: Dehydrotrametenolic acid

Cat. No.: GC38452

Chemical Properties

Cas. No. 6879-05-6

SMILES C[C@]12C3=CC[C@](C(C)([C@@H](O)CC4C)([H])[C@@]4(C)C3=CC[C@@]1([C@](C[H])(C(O)=O)CCC(C(C)C)=C)([H])CC2)C

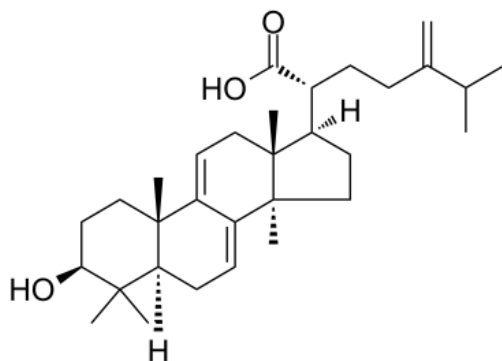
Formula $C_{31}H_{48}O_3$ M.Wt 468.71

Solubility DMSO : 1 mg/mL (2.13 mM); ultrasonic and warming and heat to 60°C) 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

Dehydrotrametenolic acid is a sterol isolated from the sclerotium of *Poria cocos*. Dehydrotrametenolic acid induces apoptosis through caspase-3 pathway. Dehydrotrametenolic acid has anti-tumor activity, anti-inflammatory, anti-diabetic effects[1].

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

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Dehydrotrametenolic acid selectively inhibits the growth of H-ras transformed cells with a GI50 value of 40 μ M[1].

[1]. Kang HM, et al. Dehydrotrametenolic acid selectively inhibits the growth of H-ras transformed rat2 cells and induces apoptosis through caspase-3 pathway. Life Sci. 2006 Jan 2;78(6):607-13.

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