
Product Data Sheet

Product Name: Epibetulinic acid

Cat. No.: GC60152

Chemical Properties

Cas. No. 38736-77-5

SMILES CC1(C)[C@H](O)CC[C@]2(C)[C@@]3([H])CC[C@]4([H])[C@@]5([H])[C@H](C(C)=C)CC[C@@](C(O)=O)5CC[C@](C)4[C@@](C)3CC[C@@]12[H]

Formula C₃₀H₄₈O₃

M.Wt 456.7

Solubility DMSO : 100 mg/mL (218.96 mM; ultrasonic and warming and heat to 60°C)

Storage

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**

Epibetulinic acid, isolated from the root bark of *Maytenus cuzcoina* and the leaves of *Maytenus chiapensis*, exhibits potent inhibitory effects on NO and prostaglandin E₂ (PGE₂) production in mouse macrophages (RAW 264.7) stimulated with bacterial endotoxin with IC₅₀s of 0.7 and 0.6 μM, respectively. Anti-inflammatory activity[1].

[1]. Reyes CP, et al. Activity of lupane triterpenoids from *Maytenus* species as inhibitors of nitric oxide and prostaglandin E₂. *Bioorg Med Chem*. 2006 Mar 1;14(5):1573-9.

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

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