

Product Data Sheet

Product Name: Eupenifeldin

Cat. No.: GC43643

Chemical Properties

Cas. No. 151803-45-1

SMILES OC(C(C=C1C)=O)=CC2=C1C[C@]3([H])[C@@](O2)(C)[C@@H](O)C[C@]4([H])CC5=C(C=C(O)C(C=C5C)=O)O[C@@]4(C)C/C=C/C(C)(C)C3

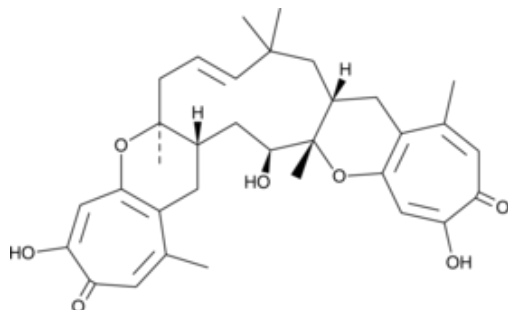
Formula C33H40O7 M.Wt 548.7

Solubility DMF: Soluble, DMSO: Soluble, Ethanol: Soluble, Methanol: Soluble
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

Eupenifeldin is a pentacyclic bistropolone fungal metabolite originally isolated from *E. brefeldianum* ATCC 74184. It is cytotoxic against HCT116 and HCTVM46 colon carcinoma cells in vitro (IC₅₀s = 0.005 and 0.002 µg/ml, respectively). In vivo, eupenifeldin (0.3-2 mg/kg per day) increases median survival time in a mouse model of P388 leukemia.

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

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