

Product Data Sheet

Product Name: Terpendole C

Cat. No.: GC45017

Chemical Properties

Cas. No. 156967-65-6

SMILES C/C(C)=C/[C@@H]1OC(C)(C)[C@@]2([H])O[C@@]3([H])CC[C@@]4(C)[C@](CC[C@]5([H])[C@]4(C)C6=C(C(C=CC=C7)=C7N6)C5)(O)[C@@]3(O8)[C@H]8[C@]2([H])O1

Formula C₃₂H₄₁NO₅

M.Wt 519.7

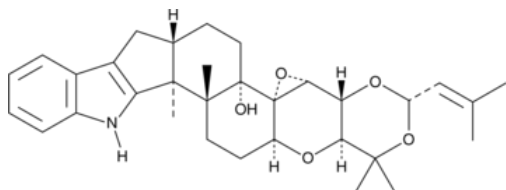
Solubility DMSO: soluble, Ethanol: soluble, Methanol: soluble

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

Terpendole C is an indole diterpene alkaloid fungal metabolite originally isolated from *A. yamanashiensis* and an inhibitor of acyl-coenzyme A:cholesterol acyltransferase (ACAT; IC₅₀ = 2.1 μM in rat liver microsomes). It also inhibits ACAT in J774 macrophages (IC₅₀ = 0.46 μM) without affecting cell growth.

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

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