

Product Data Sheet

Product Name: Reveromycin A

Cat. No.: GC41466

Chemical Properties

Cas. No. 134615-37-5

SMILES CC(/C=C/[C@@H]1O[C@@](CC[C@@H]2C)(CC[C@]1(OC(CCC(O)=O)=O)CCCC)O[C@@H]2C/C=C(/C=C/[C@@H]([C@H]/C=C/C(O)=O)C)O)C=C\C(O)=O

Formula C₃₆H₅₂O₁₁

M.Wt 660.8

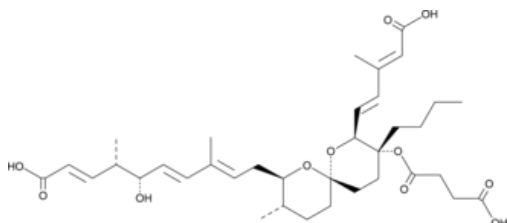
Solubility DMF: Soluble, DMSO: Soluble, Ethanol: Soluble, Methanol: Soluble

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

Reveromycin A is the major component of a complex of spiroketal antibiotics isolated from *Streptomyces* sp. It inhibits the mitogenic activity of epidermal growth factor in Balb/MK cells (IC₅₀ = 0.7 µg/ml), displays antiproliferative activity against human KB and K562 tumor cell lines (IC₅₀s = 1.9 and 1.6 µg/ml, respectively), and demonstrates antifungal activity against *C. albicans* (MIC = 2 µg/ml at pH 3). Reveromycin A also has been shown to inhibit bone resorption by inducing apoptosis in osteoclasts with an IC₅₀ value of 0.7 µM.

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

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