

Product Data Sheet

Product Name: Chevalone C

Cat. No.: GC43237

Chemical Properties

Cas. No. 1318025-77-2

SMILES CC(OC1=C2C[C@]3([H])[C@@](CC[C@@]4([H])[C@@]3(C)CC[C@]5([H])[C@]4(C)C[C@H](OC(C)=O)C5(C)C)(C)O1)=CC2=O

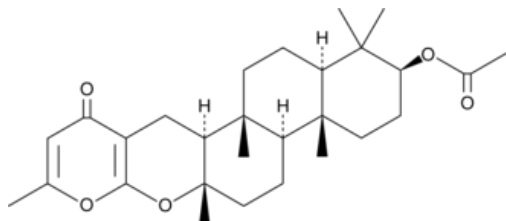
Formula C₂₈H₄₀O₅ M.Wt 456.6

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

Chevalone C is a meroterpenoid fungal metabolite originally isolated from *E. chevalieri*. It is active against *M. tuberculosis* H37Ra (MIC = 6.3 µg/ml) and is cytotoxic to BC1 human breast cancer cells (IC₅₀ = 8.7 µg/ml). Chevalone C inhibits the growth of multidrug-resistant isolates of *E. coli*, *S. aureus*, and *E. faecium* in a disc diffusion assay when used at a concentration of 15 µg/disc. It also induces cell death in HCT116 colorectal carcinoma cells.

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

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