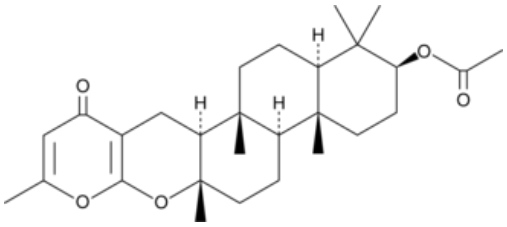
Product Data Sheet

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)CC[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 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

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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