

Product Data Sheet

Product Name: Aspergillin PZ

Cat. No.: GC42858

Chemical Properties

Cas. No. 483305-08-4

SMILES CC1=C[C@@]([C@]2([H])[C@@](C3)([H])[C@@]4([H])[C@H](O)CC[C@@]2(O4)C)([H])[C@@]([C@@]5([H])[C@@H]1C)(C(N[C@H]5CC(C)C)=O)C3=O

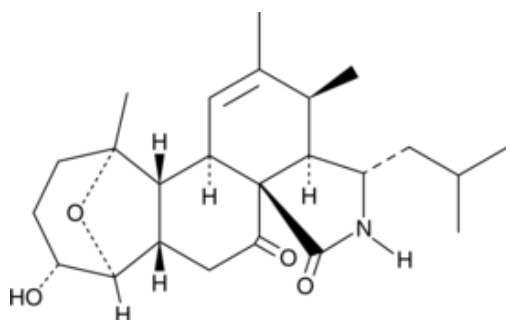
Formula C₂₄H₃₅NO₄ M.Wt 401.5

Solubility DMSO: soluble, Ethanol: Storage Store at -20°C
soluble, Methanol: soluble

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

Aspergillin PZ is a fungal metabolite originally isolated from *A. awamori*. It induces morphological deformation of *P. oryzae* conidia when used at a concentration of 89 nM. Aspergillin PZ is active against *S. epidermidis* (MIC = 20 µM) but not *S. aureus*, *E. coli*, or *B. cereus* (MICs = >20 µM). It is cytotoxic to HL-60 promyelocytic leukemia cells (IC₅₀ = 56.61 µM) but not THP-1 acute monocytic leukemia or PC3 prostate cancer cells (IC₅₀s = >80 µM).

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

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