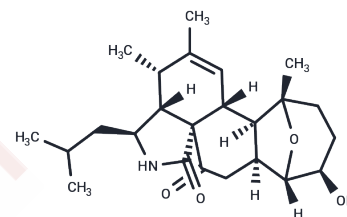


Aspergillin PZ

Chemical Properties

CAS No. :	483305-08-4
Formula:	C ₂₄ H ₃₅ N ₄ O ₄
Molecular Weight:	401.547
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Aspergillin PZ is a fungal metabolite originally isolated from <i>A. awamori</i> . It induces morphological deformation of <i>P. oryzae</i> conidia when used at a concentration of 89 nM. Aspergillin PZ is active against <i>S. epidermidis</i> (MIC = 20 μM) but not <i>S. aureus</i> , <i>E. coli</i> , or <i>B. cereus</i> (MICs = >20 μM). It is cytotoxic to HL-60 promyelocytic leukemia cells (IC ₅₀ = 56.61 μM) but not THP-1 acute monocytic leukemia or PC3 prostate cancer cells (IC ₅₀ s = >80 μM).
Targets(IC ₅₀)	Others,Antifungal

Solubility Information

Solubility	DMSO: Soluble Ethanol: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4903 mL	12.4517 mL	24.9035 mL
5 mM	0.4981 mL	2.4903 mL	4.9807 mL
10 mM	0.249 mL	1.2452 mL	2.4903 mL
50 mM	0.0498 mL	0.249 mL	0.4981 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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