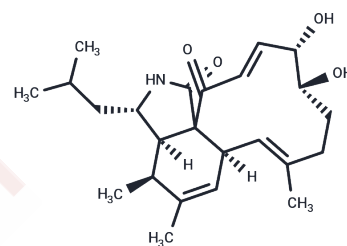


Aspochalasin D

Chemical Properties

CAS No. :	71968-02-0
Formula:	C ₂₄ H ₃₅ NO ₄
Molecular Weight:	401.54
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	Aspochalasin D, a co-metabolite originally isolated from <i>A. microcysticus</i> along with aspochalasin A, B, and C, has antibacterial activity against Gram-positive and Gram-negative bacteria at a concentration of 1 mg/ml. Aspochalasin D is more cytotoxic via apoptosis to Ba/F3-V12 cells in an IL-3-free medium [IC ₅₀ = 0.49 µg/ml] than in an IL-3-containing medium [IC ₅₀ = 1.9 µg/ml].
Targets(IC ₅₀)	Apoptosis,Others,Antibacterial

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.4904 mL	12.4521 mL	24.9041 mL
5 mM	0.4981 mL	2.4904 mL	4.9808 mL
10 mM	0.249 mL	1.2452 mL	2.4904 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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