Data Sheet (Cat.No.T35736)



Drimentine B

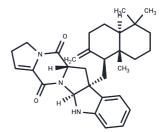
Chemical Properties

CAS No.: 204398-91-4 Formula: C31H39N3O2

Molecular Weight: 485.66

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description

Drimentine B is a terpenylated diketopiperazine antibiotic originally isolated from Actinomycete bacteria. It is active against Gram-positive and Gram-negative bacteria, fungi, and yeast, and has anthelmintic properties. Drimentine B inhibits proliferation of NS-1 murine β lymphocyte myeloma cells by 41 and 59% in vitro when used at concentrations of 50 and 100 μ g/ml, respectively.

Solubility Information

Solubility

Methanol: Soluble

Ethanol: Soluble

DMF: Soluble

DMSO: Soluble

(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0591 mL	10.2953 mL	20.5905 mL
5 mM	0.4118 mL	2.0591 mL	4.1181 mL
10 mM	0.2059 mL	1.0295 mL	2.0591 mL
50 mM	0.0412 mL	0.2059 mL	0.4118 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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