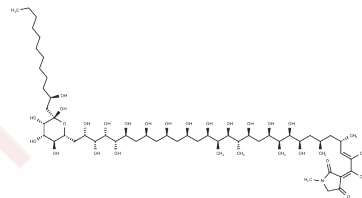


Blasticidin A

Chemical Properties

CAS No. :	100513-53-9
Formula:	C ₅₈ H ₁₀₇ N ₀₂ O ₂₃
Molecular Weight:	1186.478
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	Blasticidin A is a bacterial metabolite originally isolated from <i>S. resistomycificus</i> strain 2A-327. It inhibits aflatoxin production by <i>A. parasiticus</i> without affecting fungal growth (IC ₅₀ s = 0.25 and 1.6 μM, respectively). Blasticidin A also decreases ribosomal protein levels and inhibits protein synthesis in <i>S. cerevisiae</i> .
Targets(IC ₅₀)	Others,Antibacterial,Antibiotic,Parasite

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	0.8428 mL	4.2141 mL	8.4283 mL
5 mM	0.1686 mL	0.8428 mL	1.6857 mL
10 mM	0.0843 mL	0.4214 mL	0.8428 mL
50 mM	0.0169 mL	0.0843 mL	0.1686 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

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