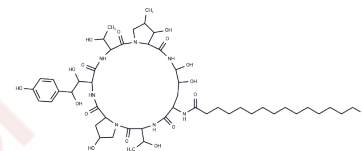


Aculeacin A

Chemical Properties

CAS No. :	58814-86-1
Formula:	C ₅₀ H ₈₁ N ₇ O ₁₆
Molecular Weight:	1036.22
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	Aculeacin A is used to study mutations that lead to antibiotic resistance in <i>Saccharomyces cerevisiae</i> , the inhibition of <i>Candida albicans</i> and the morphogenetic transformation of <i>Candida albicans</i> when treated. Aculeacin A is a lipopeptide that inhibits β -glucan synthesis in yeasts. The inhibition is due to the selective blockage of glucan synthase. Aculeacin A, an amphiphilic antibiotic, inhibits the biosynthesis of β -glucan by selective blockage of $\beta(1\rightarrow3)$ glucan synthase.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.965 mL	4.8252 mL	9.6505 mL
5 mM	0.193 mL	0.965 mL	1.9301 mL
10 mM	0.0965 mL	0.4825 mL	0.965 mL
50 mM	0.0193 mL	0.0965 mL	0.193 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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