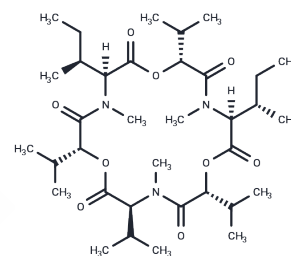


Enniatin A1

Chemical Properties

CAS No. :	4530-21-6
Formula:	C ₃₅ H ₆₁ N ₃ O ₉
Molecular Weight:	667.885
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	Enniatin A1, a cyclic hexadepsipeptide composed of alternating D-α-hydroxyisovaleric acids and N-methyl-L-amino acids isolated from Fusarium mycotoxins, exhibits anticarcinogenic effects through the induction of apoptosis and disruption of the ERK signaling pathway. It also inhibits ACAT in rat liver microsomes with an IC ₅₀ of 49 μM.
Targets(IC ₅₀)	Apoptosis,ERK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4973 mL	7.4863 mL	14.9725 mL
5 mM	0.2995 mL	1.4973 mL	2.9945 mL
10 mM	0.1497 mL	0.7486 mL	1.4973 mL
50 mM	0.0299 mL	0.1497 mL	0.2995 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.

Reference

Wätjen W, et al. Enniatins A1, B and B1 from an endophytic strain of

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481