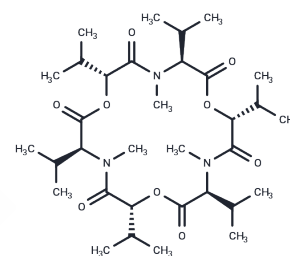


Enniatin B

Chemical Properties

CAS No. :	917-13-5
Formula:	C ₃₃ H ₅₇ N ₃ O ₉
Molecular Weight:	639.831
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	Enniatins B decreases the activation of ERK (p44/p42). Enniatin B is a Fusarium mycotoxin. Enniatin B inhibits acyl-CoA: cholesterol acyltransferase (ACAT) activity with an IC ₅₀ of 113 μM in an enzyme assay using rat liver microsomes.
Targets(IC ₅₀)	ERK, Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5629 mL	7.8146 mL	15.6292 mL
5 mM	0.3126 mL	1.5629 mL	3.1258 mL
10 mM	0.1563 mL	0.7815 mL	1.5629 mL
50 mM	0.0313 mL	0.1563 mL	0.3126 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

Tomoda H, et al. Inhibition of acyl-CoA: cholesterol acyltransferase activity by cyclodepsipeptide antibiotics. J Antibiot (Tokyo). 1992 Oct;45(10):1626-32.

Wätjen W, et al. Enniatins A1, B and B1 from an endophytic strain of Fusarium tricinctum induce apoptotic cell death in H4IIE hepatoma cells accompanied by inhibition of ERK phosphorylation. Mol Nutr Food Res. 2009 Apr;53(4):431-40.

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