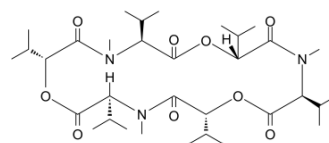


## Enniatin B

Cat. No.:	HY-N3806
CAS No.:	917-13-5
Molecular Formula:	C <sub>33</sub> H <sub>57</sub> N <sub>3</sub> O <sub>9</sub>
Molecular Weight:	639.82
Target:	Acyltransferase; ERK
Pathway:	Metabolic Enzyme/Protease; MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Enniatin B is a <i>Fusarium</i> mycotoxin. Enniatin B inhibits acyl-CoA: cholesterol acyltransferase (ACAT) activity with an IC <sub>50</sub> of 113 μM in an enzyme assay using rat liver microsomes <sup>[1]</sup> . Enniatins B decreases the activation of ERK (p44/p42) <sup>[2]</sup> .	
IC <sub>50</sub> & Target	ACAT	ERK

### REFERENCES

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

[2]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA