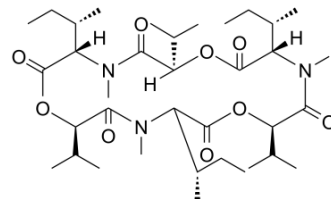


Enniatin A

Cat. No.:	HY-N6702
CAS No.:	2503-13-1
Molecular Formula:	C ₃₆ H ₆₃ N ₃ O ₉
Molecular Weight:	681.9
Target:	Acyltransferase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Enniatin A is a Fusarium mycotoxin. Enniatin A inhibits acyl-CoA: cholesterol acyltransferase (ACAT) activity with an IC ₅₀ of 22 μM in an enzyme assay using rat liver microsomes ^[1] .
IC ₅₀ & Target	ACAT
In Vitro	Enniatin A exhibits cytotoxic effects in HeLa cell lines with IC ₅₀ s of 1.15 μM concentration for 24 h and 0.57 μM concentration for 48 h ^[2] .

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]. Mamur S, et al. Assessment of cytotoxic and genotoxic effects of enniatin-A in vitro. *Food Addit Contam Part A Chem Anal Control Expo Risk Assess*. 2018 Aug;35(8):1633-1644.

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