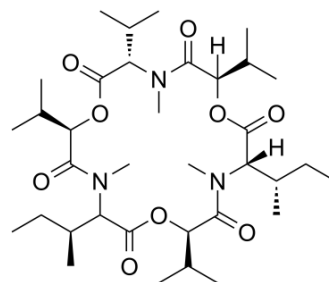


Enniatin A1

Cat. No.:	HY-N6704
CAS No.:	4530-21-6
Molecular Formula:	C ₃₅ H ₆₁ N ₃ O ₉
Molecular Weight:	667.87
Target:	ERK; Apoptosis
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt; Apoptosis
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	Enniatin A1 isolated from <i>Fusarium</i> mycotoxins is a cyclic hexadepsipeptide consisting of alternating D- α -hydroxyisovaleric acids and N-methyl-L-amino acids. Enniatin A1 possesses anticarcinogenic properties by induction of apoptosis and disruption of ERK signalling pathway. Enniatin A1 inhibits ACAT with an IC₅₀ of 49 μ M in rat liver microsomes ^[1] .
IC ₅₀ & Target	ERK

REFERENCES

[1]. 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.

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