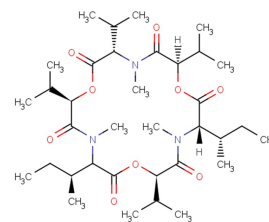


## Enniatin A1

## Chemical Properties

|                   |                                                                        |
|-------------------|------------------------------------------------------------------------|
| CAS No.:          | 4530-21-6                                                              |
| Formula:          | C <sub>35</sub> H <sub>61</sub> N <sub>3</sub> O <sub>9</sub>          |
| Molecular Weight: | 667.87                                                                 |
| Appearance:       | N/A                                                                    |
| Storage:          | 0-4°C for short term (days to weeks), or -20°C for long term (months). |



## Biological Description

|                            |                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description                | Enniatin A1 possesses anticarcinogenic properties by induction of apoptosis and disruption of ERK signalling pathway. Enniatin A1 inhibits ACAT with an IC <sub>50</sub> of 49 µM in rat liver microsomes. 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. |
| Targets(IC <sub>50</sub> ) | ERK: None                                                                                                                                                                                                                                                                                                                                                                      |

## Solubility Information

|            |                                                               |
|------------|---------------------------------------------------------------|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---------------------------------------------------------------|

## Preparing Stock Solutions

|       | 1mg      | 5mg      | 10mg      |
|-------|----------|----------|-----------|
| 1 mM  | 1.497 mL | 7.486 mL | 14.973 mL |
| 5 mM  | 0.299 mL | 1.497 mL | 2.995 mL  |
| 10 mM | 0.15 mL  | 0.749 mL | 1.497 mL  |
| 50 mM | 0.03 mL  | 0.15 mL  | 0.299 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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