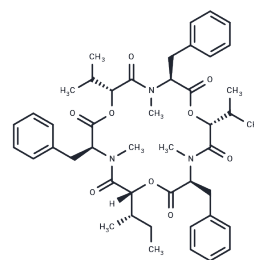


Beauvericin A

Chemical Properties

CAS No. :	165467-50-5
Formula:	C ₄₆ H ₅₉ N ₃ O ₉
Molecular Weight:	797.99
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	Beauvericin A is a cyclodepsipeptide and derivative of beauvericin originally isolated from <i>B. bassiana</i> that has diverse biological activities. It is active against <i>M. tuberculosis</i> (MIC = 25 µg/ml) and <i>P. falciparum</i> (IC ₅₀ = 12 µg/ml). Beauvericin A is toxic to brine shrimp (LD ₁₀₀ = 32 µg/ml).
Targets (IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2531 mL	6.2657 mL	12.5315 mL
5 mM	0.2506 mL	1.2531 mL	2.5063 mL
10 mM	0.1253 mL	0.6266 mL	1.2531 mL
50 mM	0.0251 mL	0.1253 mL	0.2506 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

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- Nilanonta, C., Isaka, M., Kittakoop, P., et al. Antimycobacterial and antiplasmodial cyclodepsipeptides from the insect pathogenic fungus *Paecilomyces tenuipes* BCC 1614. *Planta Med.* 66(8)756-758(2000)
- Shi, S., Li, Y., Ming, Y., et al. Biological activity and chemical composition of the endophytic fungus *Fusarium* sp. TP-G1 obtained from the root of *Dendrobium officinale* Kimura et Migo. *Rec. Nat. Prod.* 12(6)549-556(2018)

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