

Product Data Sheet

Product Name: Beauvericin A

Cat. No.: GC46910

Chemical Properties

Cas. No. 165467-50-5

SMILES CN(C([C@@](OC([C@@H](N(C([C@H](OC([C@@H](N(C([C@H](OC1=O)C(C)C)=O)C)CC2=CC=CC=C2)=O)C(C)C)=O)C)CC3=CC=CC=C3)=O)([H])[C@@H](C)CC)=O)[C@H]1CC4=CC=CC=C4

Formula C₄₆H₅₉N₃O₉

M.Wt 798

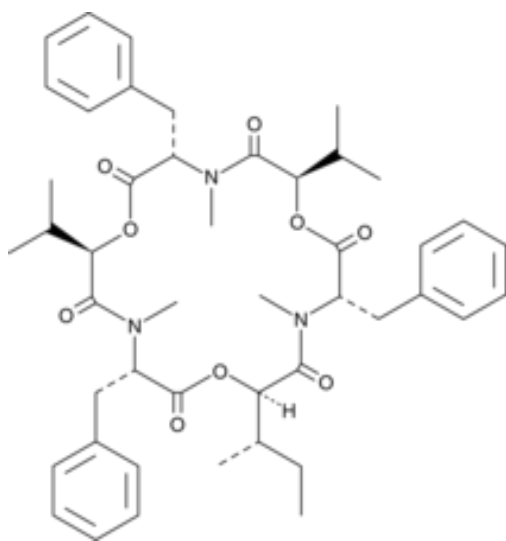
Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Beauvericin A is a cyclodepsipeptide and derivative of beauvericin originally isolated from *B. bassiana* that has diverse biological activities.^{1,2,3} It is active against *M. tuberculosis* (MIC = 25 µg/ml) and *P. falciparum* (IC₅₀ = 12 µg/ml).² Beauvericin A is toxic to brine shrimp (LD₁₀₀ = 32

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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µg/ml).³

1.Gupta, S., Montillor, C., and Hwang, Y.-S.Isolation of Novel Beauvericin Analogues from the Fungus Beauveria bassianaJ. Nat. Prod.58(5)733-738(1995) 2.Nilanonta, C., Isaka, M., Kittakoo, P., et al.Antimycobacterial and antiplasmodial cyclodepsipeptides from the insect pathogenic fungus Paecilomyces tenuipes BCC 1614Planta Med.66(8)756-758(2000) 3.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 MigoRec. Nat. Prod.12(6)549-556(2018)

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