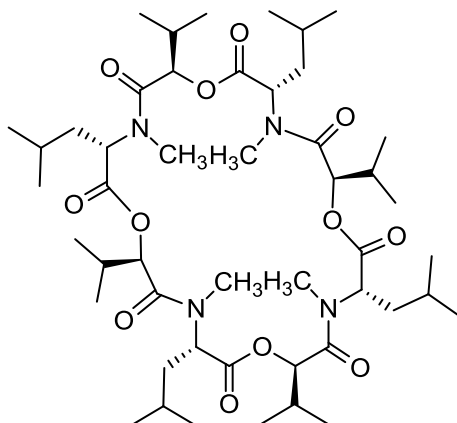


Bassianolide

Code No.: **BIA-B1557**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	: 64763-82-2
Molecular Formula	: C ₄₈ H ₈₄ N ₄ O ₁₂
Molecular Weight	: 909.2
Source	: <i>Beauveria bassiana</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Bassianolide is a cyclooctadepsipeptide insecticide isolated from the entomopathogenic fungi, *Beauveria* and *Verticillium lecanii*, first reported by researchers at University of Tokyo in 1978. Bassianolide is related to the insecticidal and nematocidal actives, PF1022 complex and the synthetic anthelmintic emodepside. While the mode of action of bassianolide is not fully resolved, it is thought to act on ion channels at the level of the neuromuscular junction, like emodepside. Bassianolide is one of the active components of *Beauveria bassiana* biocontrol products.

References

1. Bassianolide, a new insecticidal cyclodepsipeptide from *Beauveria bassiana* and *Verticillium lecanii*. Kanaoka M. et al. *Agric. Biol. Chem.* 1978, 42, 629.
2. Anthelmintic cyclooctadepsipeptides: complex in structure and mode of action. Krucken J. *Trends in Parasitology* 2012, 28, 385.
3. Cyclooctadepsipeptides - an anthelmintic active class of compound exhibiting a novel mode of action. Harder A. et al. *Int. J. Antimicrob. Agents* 20013, 22, 318.

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