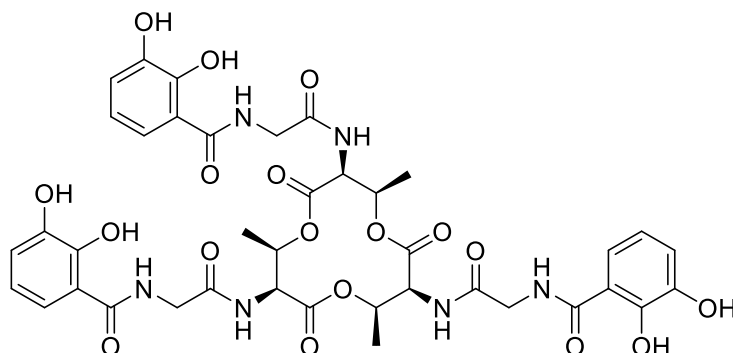


Bacillibactin

Code No.: **BIA-B2973**

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



Synonyms : Corynebactin

Specifications

CAS #	: 95536-41-7
Molecular Formula	: C ₃₉ H ₄₂ N ₆ O ₁₈
Molecular Weight	: 882.8
Source	: <i>Bacillus</i> sp.
Appearance	: Fawn solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Bacillibactin is a catecholamide siderophore produced by various *Bacillus* and other species. Bacillibactin is structurally related to enterobactin in which the three Ser units of enterobactin are replaced by Thr units to form the tri-lactonic macrocycle. Bacillibactin has antifungal and broad antibacterial activity that contributes to the biocontrol efficacy of *Bacillus amyloliquefaciens*.

References

1. Corynebactin, a cyclic catecholamide siderophore from *Corynebacterium glutamicum* ATCC 14067 (*Brevibacterium* sp. DSM 20411). Budzikiewicz H. et al. *Verlag der Zeitschrift für Naturforschung* 1997, 52, 551-554.
2. Direct antibiotic activity of bacillibactin broadens the biocontrol range of *Bacillus amyloliquefaciens* MBI600. Dimopoulou A. et al. *mSphere* 2021, 6, 1.