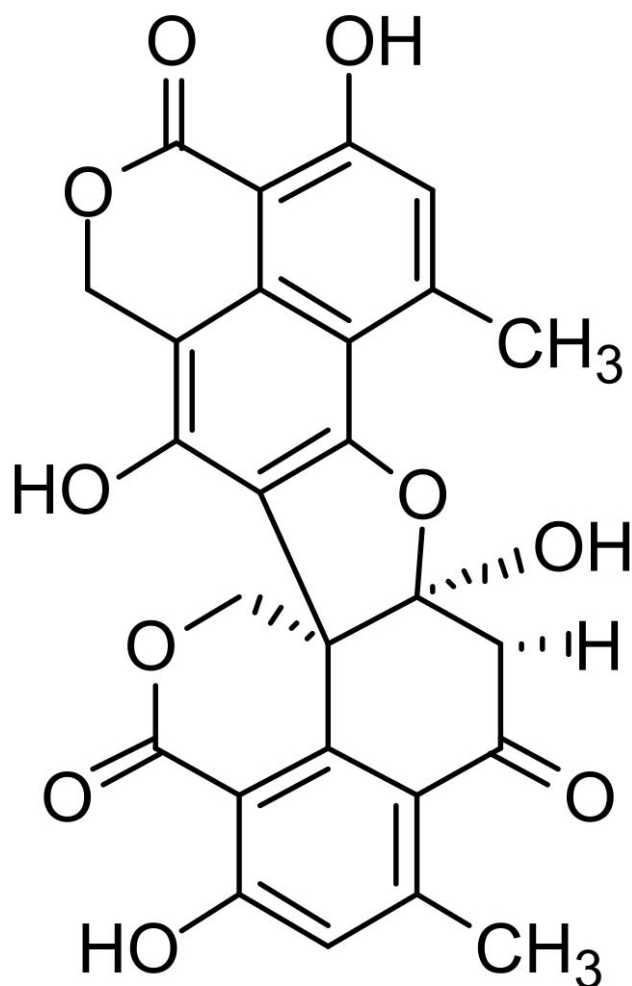


Bacillosporin C

Code No.: BIA-B1665

Pack sizes.: 1mg, 5mg



Synonyms:

-

Specifications

CAS #	: 76706-63-3
Molecular Formula	: C ₂₆ H ₁₈ O ₁₀
Molecular Weight	: 490.42
Source	: -
Appearance	: Yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C

Solubility

: **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Bacillosporin C is a dimeric oxaphenalenone antibiotic isolated from *Talaromyces bacillosporus* by researchers at Chiba University in 1980. The structure of bacillosporin C was formally published by Lin and co-workers in 2007. Bacillosporin C is a member of the oxaphenalenone class as reviewed in 2013. Bacillosporins have antibiotic and antitumor activities and inhibit acetylcholinesterase.

References

1. The isolation and structures of oxaphenalenone dimers from *Talaromyces bacillosporus* Yamazaki M. and Okuyama E., *Chem. Pharm. Bull.* 1980, 28, 3649.
2. ¹H and ¹³C NMR assignments for two oxaphenalenones bacillosporin C and D from the mangrove endophytic fungus SBE-14. Guo Z. et al., *Magn. Reson. Chem.* 2007, 45, 439.
3. Acetylcholinesterase inhibitors from a marine fungus *Talaromyces* sp. strain LF458. Wu B. et al., *Mar. Biotechnol.* 2015, 17, 110.