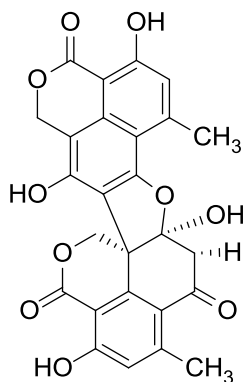


Bacillosporin C

Code No.: **BIA-B1665**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 76706-63-3
Molecular Formula	: C ₂₆ H ₁₈ O ₁₀
Molecular Weight	: 490.4
Source	: <i>Aspergillus</i> sp.
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.