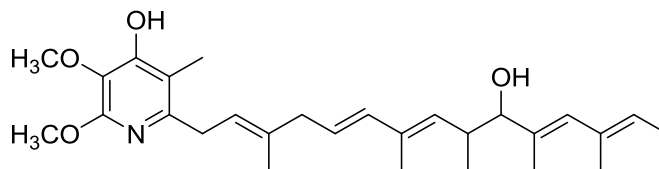


IT-143B

Code No.: **BIA-I1829**

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



Synonyms : IT-143-B

Specifications

CAS #	: 183485-34-9
Molecular Formula	: C ₂₈ H ₄₁ NO ₄
Molecular Weight	: 455.6
Source	: <i>Streptomyces</i> sp.
Appearance	: Light yellow oil
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

IT-143-B is a rare, higher homologue of the piericidin class isolated from a *Streptomyces* sp. by Taiho Pharmaceuticals in collaboration with Chinese researchers in 1996. IT-143-B is active against the fungus, *Aspergillus fumigatus*, and the Gram-positive bacterium, *Micrococcus luteus*. IT-143-B is also active against KB carcinoma cells. Lack of availability until now has hindered exploration of its pharmacological effects.

References

1. IT-143-A and B, novel piericidin-group antibiotics produced by *Streptomyces* sp. Urakawa A. et al., *J. Antibiot.* 1996, 49, 1052.
2. Antibacterial, antifungal, and antitumor IT-143 substance of *Streptomyces* sp. Urakawa A. et al., *Jpn. Kokai Tokkyo Koho* 1997, JP 09249647.