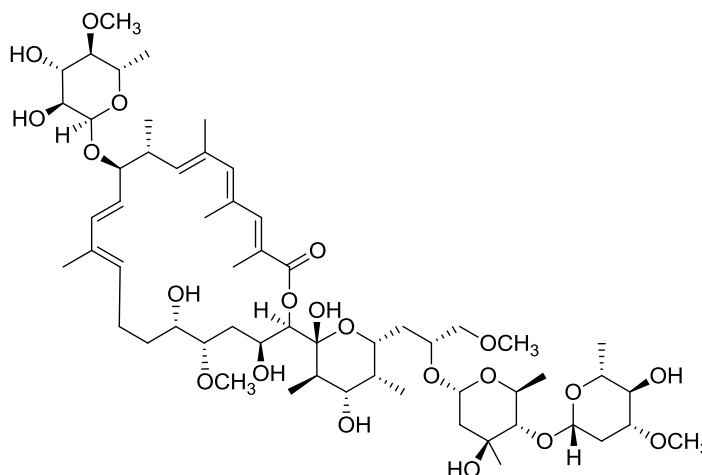


Isoapoptolidin

Code No.: **BIA-I1041**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms :

Specifications

CAS #	: 476647-30-0
Molecular Formula	: C ₅₈ H ₉₆ O ₂₁
Molecular Weight	: 1129.4
Source	: <i>Amycolatopsis</i> sp.
Appearance	: White Lyophilisate
Purity	: >90% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Isoapoptolidin, originally isolated from a *Nocardopsis* sp., is a ring-expanded isomer of apoptolidin. In water, apoptolidin and isoapoptolidin equilibrate in a ratio of ~1.5:1 within hours. In a rapid F0F1-ATPase assay, isoapoptolidin was approximately half as potent as apoptolidin (IC₅₀ 17 µM vs. 0.7 µM).

References

1. Isoapoptolidin: structure and activity of the ring-expanded isomer of apoptolidin. Wender P.A. et al., *Org. Lett.* 2002, 4, 3819.
2. Toward a stable apoptolidin derivative: identification of isoapoptolidin and selective deglycosylation of apoptolidin. Pennington J.D. et al., *Org. Lett.* 2002, 4, 3823.
3. Apoptolidin analogs and derivatives for inducing apoptosis in transformed cells. Wender P.A. et al., US Patent Application, 20040180841.