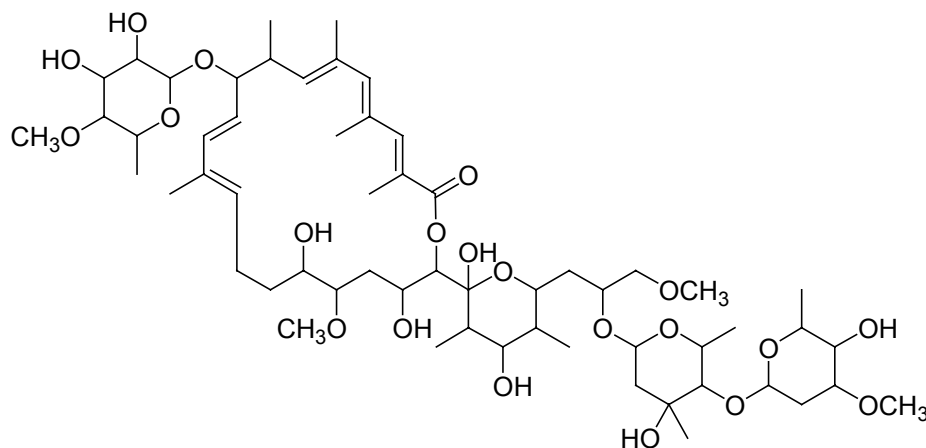


Isoapoptolidin

Code: **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. MST-AS5912
Appearance	: White Lyophilisate
Purity	: > 90% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Isoapoptolidin, originally isolated from a *Nocardioopsis* sp., is a ring expanded isomer of apoptolidin. In water, an equilibrium mixture of apoptolidin:isoapoptolidin (~1.5:1) is formed within hours. In a rapid F₀F₁-ATPase assay, isoapoptolidin exhibited an IC₅₀ of 17 μM compared to 0.7 μM for apoptolidin.

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.