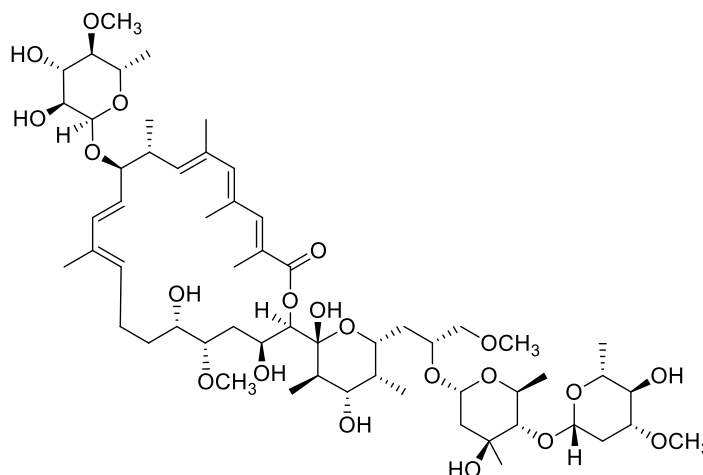


## Isoapoptolidin

Code No.: **BIA-I1041**

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



Synonyms :

## Specifications

CAS #	: 476647-30-0
Molecular Formula	: C <sub>58</sub> H <sub>96</sub> O <sub>21</sub>
Molecular Weight	: 1129.4
Source	: <i>Amycolatopsis</i> sp.
Appearance	: White Lyophilisate
Purity	: >95% 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 (IC<sub>50</sub> 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.