

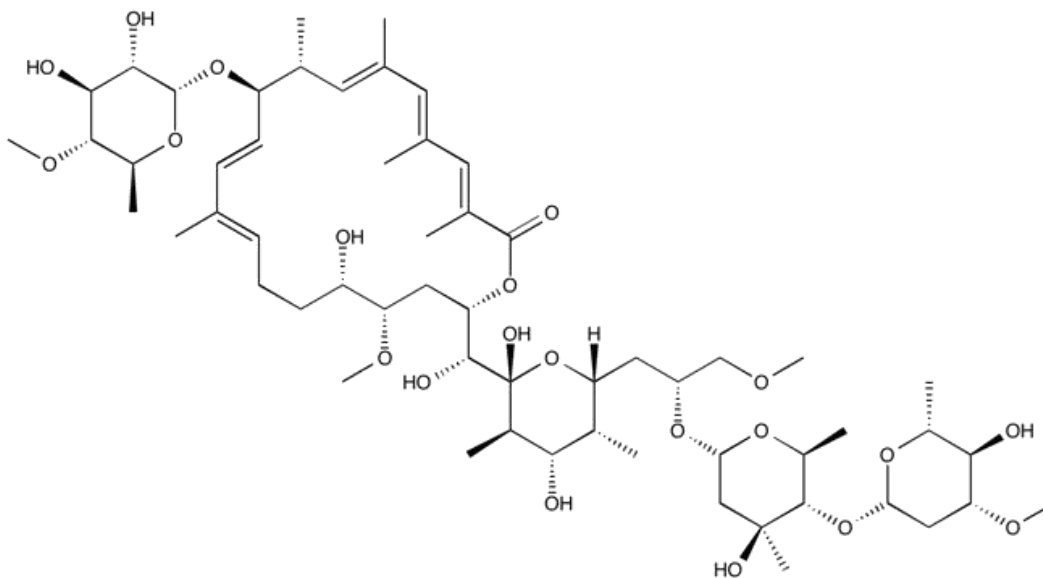
Catalog # 10-2950

Apoptolidin

CAS# 194874-06-1

Fermentation product from *Amycolatopsis* sp.

Lot # X106250



Powerful inducer of apoptosis in a variety of cancer cell lines.¹ Is believed to act via inhibition of F₀F₁-ATPase² but correlation studies indicate that a second mechanism may be the actual mode of action³. Cell permeable.

- 1) Kim *et al.* (1997), *Apoptolidin, a new apoptosis inducer in transformed cells from Nocardioopsis* sp.; J. Antibiot. (Tokyo), **50** 628
- 2) Salomon *et al.* (2001), *Apoptolidin, a selective cytotoxic agent, is an inhibitor of F₀F₁-ATPase*; Chem. Biol., **8** 71
- 3) Wender *et al.* (2006), *Correlation of F₀F₁-ATPase inhibition and antiproliferative activity of apoptolidin analogues*; Org. Lett., **8** 589

PHYSICAL DATA

Molecular Weight:	1129.37
Molecular Formula:	C ₅₈ H ₉₆ O ₂₁
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO, DMF, Ethanol, or Methanol
Physical Description:	White lyophilized solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO, DMF, ethanol or methanol may be stored at -20°C for up to 3 months.

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