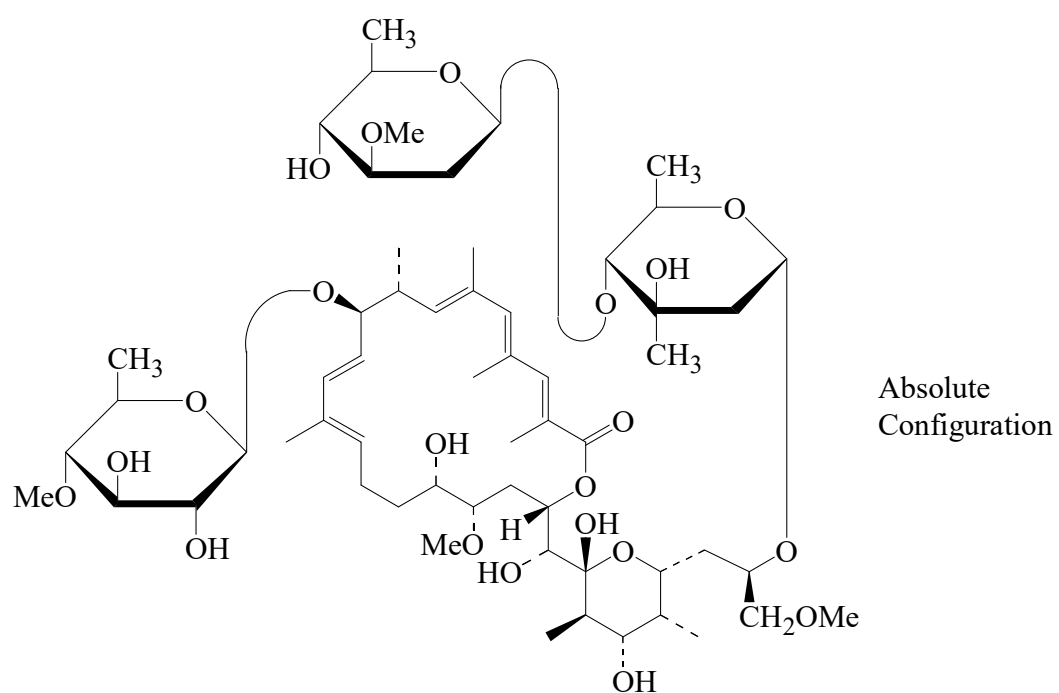




>>Entry Name: Apoptolidin



CAS Registry Number: 194874-06-1

Molecular Formula: C₅₈H₉₆O₂₁

Molecular Weight: 1129.384

Accurate Mass: 1128.644415

Percentage Composition: C 61.68%; H 8.57%; O 29.75%

General Statement: Macrolide antibiotic

Biological Source: Prod. by a *Nocardiopsis* sp.

Biological Use/Importance: Apoptosis inducer in transformed cells

Physical Description: Powder

Melting Point: Mp 128-130°

Optical Rotation: $[\alpha]_{\text{D}}^{21} -5.2$ (c, 1 in MeOH)

UV: [neutral] λ_{max} 234 (ϵ 28300); 320 (ϵ 22000) (MeOH)

References:

Kim, J.W. *et al.*, *J. Antibiot.*, 1997, **50**, 628-630, (*isol, pmr, cmr*)

Hayakawa, Y. *et al.*, *J.A.C.S.*, 1998, **120**, 3524-3525, (*pmr, cmr, abs config*)

Schuppan, J. *et al.*, *Angew. Chem., Int. Ed.*, 2001, **40**, 2063-2066, (*aglycone, synth*)