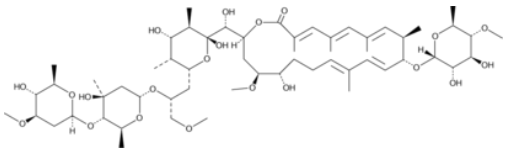
Product Data Sheet

Product Name: Apoptolidin
Cat. No.: GC42827

Chemical Properties

Cas. No.	194874-06-1		
SMILES	O[C@H]([C@](OC(/C(C)=C/C(C)=C/C(C)=C/[C@@H](C)[C@H](O[C@@](O[C@@H](C)[C@H](OC)[C@H]1O)([H])[C@H]1O)/C=C/C(C)=C/CC2)=O)([H])C[C@@H]([C@H]2O)OC)[C@](O[C@@H]3C[C@H](COC)O[C@H](O[C@@H](C)[C@@H]4O[C@@](O[C@H](C)[C@H]5O)([H])C[C@H]5OC)C[C@@]4(O)C)([C@@H]([		
Formula	C58H96O21	M.Wt	1129.4
Solubility	DMF: Soluble,DMSO: Soluble,Ethanol: Soluble,Methanol: Soluble	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Apoptolidin is an apoptosis inducer originally isolated from Nocardiopsis bacteria. It inhibits the mitochondrial F1FO ATPase (Ki = 4-5 µM). Apoptolidin selectively kills transformed glial cells without significantly affecting untransformed cells. It also has antibiotic and antifungal actions.

Caution: Product has not been fully validated for medical applications. For research use only.
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