

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/[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]([

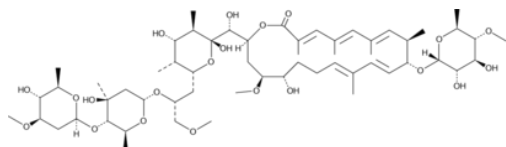
Formula C58H96O21 M.Wt 1129.4

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 *Nocardia* bacteria. It inhibits the mitochondrial F1FO ATPase ($K_i = 4-5 \mu\text{M}$). 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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