

Product Data Sheet

Product Name: Amycolatopsin C

Cat. No.: GC48350

Chemical Properties

Cas. No.

SMILES CC(/C=C(CO)/C=C(OC)/C=C1\C)C(O[C@@H]2[C@H](O)[C@@H](O)[C@H](OC)[C@@H](C)O2)/C(C)=C/C(C)=C/C(C)=C\C(O)C(OC)CC([C@H](C)[C@@]3(O)[C@H](OC)[C@@H](O)[C@@](O)(C)[C@@H](CCCOC)O3)OC1=O

Formula C47H76O17

M.Wt 913.1

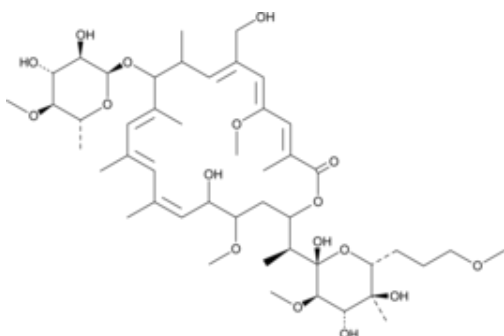
Solubility

Storage -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

Amycolatopsin C is a polyketide macrolide originally isolated from *Amycolatopsis* that has antimycobacterial and anticancer activities.¹ It is active against *M. bovis* and *M. tuberculosis* (IC₅₀s = 2.7 and 5.7 μM, respectively) but not *B. subtilis*, *S. aureus*, *E. coli*, or *P. aeruginosa* (IC₅₀s = >30 μM for all). Amycolatopsin C is cytotoxic to SW620 colorectal and NCI H460 lung cancer cells (IC₅₀s = 10 and 5.9 μM, respectively).

1. Khalil, Z.G., Salim, A.A., Vuong, D., et al. Amycolatopsins A-C: Antimycobacterial glycosylated

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

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polyketide macrolides from the Australian soil Amycolatopsis sp. MST-108494J. Antibiot.
(Tokyo)70(12)1097-1103(2017)

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