

Amycolatopsin C

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Amycolatopsin C is a polyketide macrolide originally isolated from Amycolatopsis that has antimycobacterial and anticancer activities. It is active against <i>M. bovis</i> and <i>M. tuberculosis</i> (IC ₅₀ s = 2.7 and 5.7 μM, respectively) but not <i>B. subtilis</i> , <i>S. aureus</i> , <i>E. coli</i> , or <i>P. aeruginosa</i> (IC ₅₀ s = >30 μM for all). Amycolatopsin C is cytotoxic to SW620 colorectal and NCI H460 lung cancer cells (IC ₅₀ s = 10 and 5.9 μM, respectively).
Targets(IC50)	Others, Antibacterial, Antibiotic

Reference

Khalil, Z.G., Salim, A.A., Vuong, D., et al. Amycolatopsins A-C: Antimycobacterial glycosylated polyketide macrolides from the Australian soil *Amycolatopsis* sp. MST-108494. *Antibiot. (Tokyo)* 70(12):1097-1103(2017)

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