

Product Data Sheet

Product Name: Corynecin III

Cat. No.: GC40083

Chemical Properties

Cas. No. 18048-95-8

SMILES CC(C)C(N[C@H](CO)[C@H](O)C1=CC=C([N+])([O-])=O)C=C1)=O

Formula C₁₃H₁₈N₂O₅

M.Wt 282.3

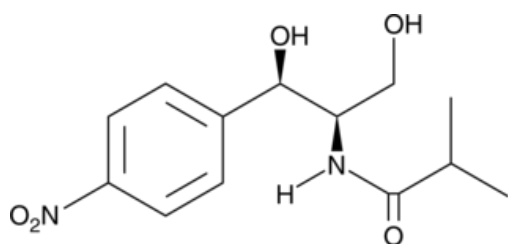
Solubility Soluble in DMSO

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

Corynecin III is a chloramphenicol-like antibiotic originally isolated from *Corynebacterium*. It inhibits the growth of Gram-positive and Gram-negative bacteria, including *S. faecalis*, *S. aureus*, *B. subtilis*, *E. coli*, *P. aeruginosa*, *P. vulgaris*, *S. sonnei*, *S. typhosa*, and *K. pneumoniae* (MICs = 2.6-83 µg/ml).

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

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