

Product Data Sheet

Product Name: Pyridomycin

Cat. No.: GC40825

Chemical Properties

Cas. No. 18791-21-4

SMILES OC1=C(C(N[C@@H]([C@@H](C)OC(/C(O2)=C(C)/CC)=O)C(N[C@@H](CC3=CC=CN=C3)[C@@H](O)[C@@H](C)C2=O)=O)=O)N=CC=C1

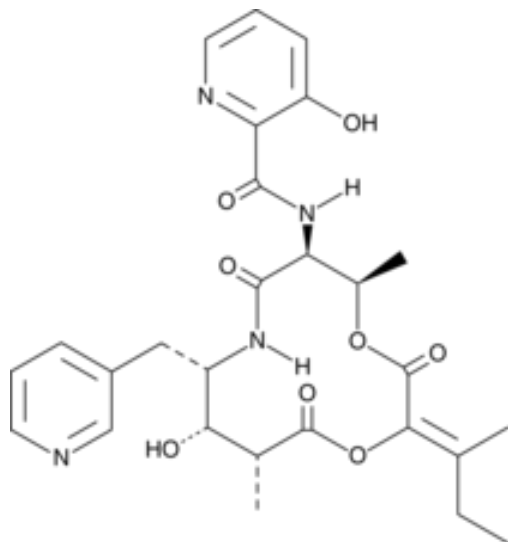
Formula C₂₇H₃₂N₄O₈ M.Wt 540.6

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

Pyridomycin is a structurally unusual antimycobacterial cyclodepsipeptide whose composition includes two rare moieties: 3-(3-pyridyl)-L-alanine and 2-hydroxy-3-methylpent-2-enoic acid. It inhibits NADH-dependent enoyl (Acyl-Carrier-Protein) reductase InhA, preventing mycolic acid synthesis in

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

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M. tuberculosis, including isoniazid-resistant strains (MICs = 0.31-0.63 µg/ml).

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