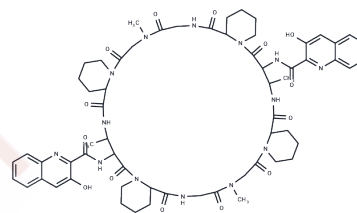


Quinaldopeptin

Chemical Properties

CAS No. :	130743-07-6
Formula:	C ₆₂ H ₇₈ N ₁₄ O ₁₄
Molecular Weight:	1243.39
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	Quinaldopeptin is a quinomycin antibiotic. It is active against a variety of bacteria, including <i>S. pyogenes</i> , <i>S. aureus</i> , <i>C. perfringens</i> , <i>S. faecalis</i> , <i>E. coli</i> , and <i>K. pneumoniae</i> (MICs = 0.2, 0.4, 0.8, 1.6, 3.1 and 6.3 µg/ml, respectively). It is cytotoxic to B16/F10 and Moser cells (IC ₅₀ s = 0.0008 and 0.04 µg/ml, respectively) and increases survival in a P388 leukemia mouse model. Quinaldopeptin is a bis-intercalator depsipeptide (NPBID) that binds to and intercalates into DNA (K _d = 32 nM).
Targets(IC ₅₀)	Others, Antibacterial, Antibiotic

Solubility Information

Solubility	DMF: Soluble DMSO: Soluble Methanol: Slightly soluble Ethanol: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8043 mL	4.0213 mL	8.0425 mL
5 mM	0.1609 mL	0.8043 mL	1.6085 mL
10 mM	0.0804 mL	0.4021 mL	0.8043 mL
50 mM	0.0161 mL	0.0804 mL	0.1609 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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