Data Sheet (Cat.No.T37546)

TargetMol

TPU-0037C

Chemical Properties

CAS No. : 485815-61-0

Formula: C46H72N4O9

Molecular Weight: 825.101

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	TPU-0037C is a metabolite of the marine actinomycete S. platensis that is structurally similar to lydicamycin . It is active against Gram-positive bacteria (MICs = 0.39-3.13 μg/ml), including methicillin-resistant S. aureus strains (MIC = 3.13 μg/ml), but is ineffective against Gram-negative bacteria (MICs = >50 μg/ml).
Targets(IC50)	Others

Solubility Information

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

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.212 mL	6.0599 mL	12.1197 mL
5 mM	0.2424 mL	1.212 mL	2.4239 mL
10 mM	0.1212 mL	0.606 mL	1.212 mL
50 mM	0.0242 mL	0.1212 mL	0.2424 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.

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