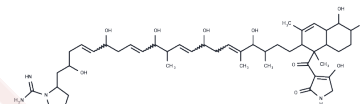


TPU-0037A

Chemical Properties

CAS No. : 485815-59-6
 Formula: C46H72N4O10
 Molecular Weight: 841.1
 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-0037A is an antibiotic and a congener of lydicamycin. It inhibits the growth of Gram-positive bacteria, including methicillin-resistant <i>S. aureus</i> (MRSA), <i>B. subtilis</i> , and <i>M. luteus</i> (MICs = 1.56-12.5 µg/ml), but not Gram-negative <i>E. coli</i> , <i>P. mirabilis</i> , <i>P. vulgaris</i> , or <i>P. aeruginosa</i> strains (MICs = >50 µg/ml).
Targets(IC50)	Others,Antibiotic

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.1889 mL	5.9446 mL	11.8892 mL
5 mM	0.2378 mL	1.1889 mL	2.3778 mL
10 mM	0.1189 mL	0.5945 mL	1.1889 mL
50 mM	0.0238 mL	0.1189 mL	0.2378 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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