# Data Sheet (Cat.No.T37546)

TargetMol

TPU-0037C

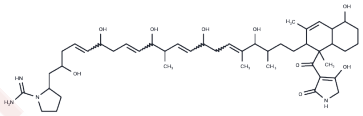
## Chemical Properties

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<br>Methanol: Soluble<br>Ethanol: Soluble<br>DMF: Soluble<br>(< 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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