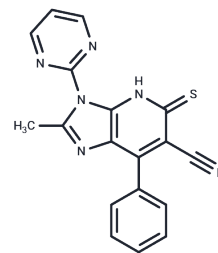


Antibacterial agent 111

Chemical Properties

CAS No. :	2448358-84-5
Formula:	C ₁₈ H ₁₂ N ₆ S
Molecular Weight:	344.39
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	Antibacterial agent 111 (Compound 3) exhibits potent activity against <i>B. cereus</i> and <i>K. pneumonia</i> with MIC values of 3.90 µg/mL and 0.49 µg/mL, respectively, by binding strongly to specific residues of tyrosyl-tRNA synthetase [1].
Targets(IC50)	Others,Antibacterial
In vitro	Antibacterial agent 111 (Compound 3) demonstrates inhibitory activity against fungal strains, with minimal inhibitory concentration (MIC) values of 250 µg/mL for both <i>A. flavus</i> and <i>A. ochraceus</i> [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9037 mL	14.5184 mL	29.0368 mL
5 mM	0.5807 mL	2.9037 mL	5.8074 mL
10 mM	0.2904 mL	1.4518 mL	2.9037 mL
50 mM	0.0581 mL	0.2904 mL	0.5807 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481