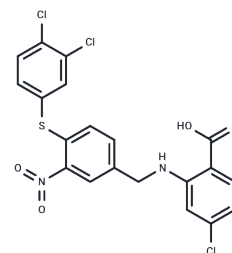


CUHK242

Chemical Properties

CAS No. : 2408055-05-8
 Formula: C₂₀H₁₃Cl₃N₂O₄S
 Molecular Weight: 483.75
 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
 CUHK242 is a bacterial transcription inhibitor that exhibits antimicrobial activity against *Staphylococcus aureus* (*Staphylococcus aureus*). It inhibits RNA synthesis within cells, consequently reducing protein synthesis. For the *Bacillus subtilis* strain BS2019 (*B. subtilis*), the minimum inhibitory concentration (MIC) of CUHK242 is reported to be 2 µg/mL.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0672 mL	10.3359 mL	20.6718 mL
5 mM	0.4134 mL	2.0672 mL	4.1344 mL
10 mM	0.2067 mL	1.0336 mL	2.0672 mL
50 mM	0.0413 mL	0.2067 mL	0.4134 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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