Data Sheet (Cat.No.T38866)



Antibacterial agent 39

Chemical Proper	ties	
CAS No. :	1426572-46-4	NN ANH2
Formula:	C9H11N5NaO7S	N N N N N N N N N N N N N N N N N N N
Molecular Weight:	356.26 S	°
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year	о=s=о ́н І он

Biological Description

Description	Antibacterial agent 39 is a potent compound that exhibits antibacterial properties. It effectively reduces the minimum inhibitory concentration (MIC) of Ceftazidime, another antibacterial agent.
In vitro	Antibacterial agent 39 (example 4) notably decreases the MIC values for Ceftazidime, demonstrating enhanced efficacy against E. coli strains NCTC 1335 1, E. coli M50, and E. coli 7MP with MIC values of 0.5, 1, and 2 mcg/ml, respectively [1]. This is detailed in WO2013030735A1, example 4.

Preparing Stock Solutions

©	1mg	5mg 🛞	10mg	
1 mM	2.8069 mL	14.0347 mL	28.0694 mL	
5 mM	0.5614 mL	2.8069 mL	5.6139 mL	
10 mM	0.2807 mL	1.4035 mL	2.8069 mL	
50 mM	0.0561 mL	0.2807 mL	0.5614 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.

Reference

Sachin Bhagwat, et al. 1,6- diazabicyclo [3,2,1] octan- 7 - one derivatives and their use in the treatment of bacterial infections.

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