

Antibacterial agent 50

Chemical Properties

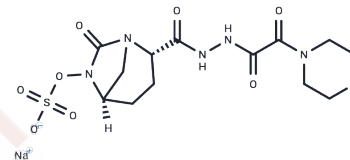
CAS No. : 1436862-71-3

Formula: C₁₃H₁₈N₅NaO₉S

Molecular Weight: 443.36

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 50 (example 47) is a compound exhibiting antibacterial activity with minimum inhibitory concentration (MIC) values of 32, 64, and 128 mcg/mL against E. coli strains NCTC 13351, M 50, and 7 MP, respectively [WO2013030733A1].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2555 mL	11.2775 mL	22.555 mL
5 mM	0.4511 mL	2.2555 mL	4.511 mL
10 mM	0.2256 mL	1.1278 mL	2.2555 mL
50 mM	0.0451 mL	0.2256 mL	0.4511 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.

Reference

Mahesh Vithalbai Patel, et al. 1,6- diazabicyclo [3,2,1] octan-7-one derivatives and their use in the treatment of bacterial infections. WO2013030733A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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