# Data Sheet (Cat.No.T61624)



### Antibacterial agent 106

#### **Chemical Properties**

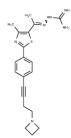
CAS No.: 2459657-11-3

Formula: C20H24N6S

Molecular Weight: 380.51

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## **Biological Description**

Description	Antibacterial agent 106 (compound 8) is a highly effective orally active antibacterial compound with antibiofilm activity. It demonstrates potent antibacterial effects against multi-drug resistant (MDR)-Gram-positive pathogens, including the eradication of 99.7% of intracellular methicillin-resistant S. aureus (MRSA) harbored within macrophages [1].
In vivo	Antibacterial agent 106 (compound 8) efficiently penetrates gut cells, achieving plasma presence within 15 minutes, and sustains an effective concentration in the plasma for approximately 12 hours [1].

#### **Preparing Stock Solutions**

© ^	1mg	5mg	10mg
1 mM	2.6281 mL	13.1403 mL	26.2805 mL
5 mM	0.5256 mL	2.6281 mL	5.2561 mL
10 mM	0.2628 mL	1.314 mL	2.6281 mL
50 mM	0.0526 mL	0.2628 mL	0.5256 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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