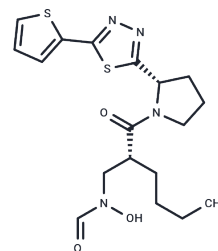


Antibacterial agent 261

Chemical Properties

CAS No. :	3036109-97-1
Formula:	C ₁₈ H ₂₄ N ₄ O ₃ S ₂
Molecular Weight:	408.538
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 261 (compound 43) is a potent inhibitor of the peptide deformylase (PDF) enzyme, demonstrating IC ₅₀ values of 2.5 nM against Staphylococcus aureus (S. aureus) and 10.6 nM against Escherichia coli (E. coli).
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4477 mL	12.2387 mL	24.4774 mL
5 mM	0.4895 mL	2.4477 mL	4.8955 mL
10 mM	0.2448 mL	1.2239 mL	2.4477 mL
50 mM	0.049 mL	0.2448 mL	0.4895 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481