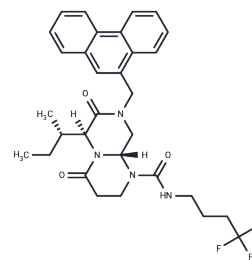


ZG297

Chemical Properties

CAS No. : 2999673-52-6
 Formula: C₃₁H₃₅F₃N₄O₃
 Molecular Weight: 568.63
 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	ZG297 is an agonist of Staphylococcus aureus ClpP (SaClpP) with an EC ₅₀ of 0.26 μM. It degrades SaFtsZ and inhibits bacterial cell division, exhibiting antistaphylococcal activity by inhibiting S. aureus 8325-4 and MRSA strains, with a MIC range of 0.063-256 μg/mL. In mouse models, ZG297 demonstrates anti-infective properties.
Targets(IC ₅₀)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7586 mL	8.7931 mL	17.5861 mL
5 mM	0.3517 mL	1.7586 mL	3.5172 mL
10 mM	0.1759 mL	0.8793 mL	1.7586 mL
50 mM	0.0352 mL	0.1759 mL	0.3517 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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