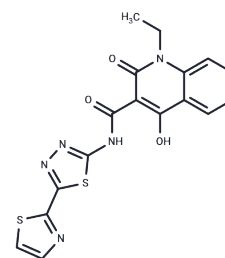


Antibacterial agent 98

Chemical Properties

CAS No. :	2408695-41-8
Formula:	C ₁₇ H ₁₃ N ₅ O ₃ S ₂
Molecular Weight:	399.45
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 98 (compound g37) is an effective oral antibacterial agent that inhibits the ATPase activity of Gyrase B and weakens the DNA super-helix of <i>S. aureus</i> . Notably, it does not induce the development of MRSA (methicillin-resistant <i>Staphylococcus aureus</i>) resistance.
Targets(IC50)	Others,Antibacterial
In vitro	Antibacterial agent 98 (compound g37) demonstrates antibacterial efficacy with an MIC of 0.1 µg/mL against <i>S. aureus</i> ATCC29213 and an IC50 of 0.15 µM targeting GyrB [1]. It also shows cytotoxicity, with IC50 values of 55.3 µM and 38.8 µM for HepG2 and HUVEC cells, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5034 mL	12.5172 mL	25.0344 mL
5 mM	0.5007 mL	2.5034 mL	5.0069 mL
10 mM	0.2503 mL	1.2517 mL	2.5034 mL
50 mM	0.0501 mL	0.2503 mL	0.5007 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