

GC-072

## Chemical Properties

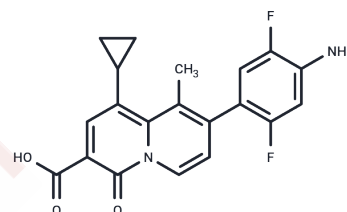
CAS No. : 1371629-36-5

Formula: C<sub>20</sub>H<sub>16</sub>F<sub>2</sub>N<sub>2</sub>O<sub>3</sub>

Molecular Weight: 370.35

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	GC-072 is a potent 4-oxoquinolizine antibiotic that selectively inhibits bacterial topoisomerase. It shows in vitro activity against both sensitive and resistant strains of <i>B. pseudomallei</i> , and it is also effective against other dangerous pathogens such as <i>Burkholderia mallei</i> , <i>Bacillus anthracis</i> , <i>Yersinia pestis</i> , and <i>Francisella tularensis</i> . In a murine model of melioidosis, oral administration of GC-072 demonstrated dose-dependent survival benefits, indicating its potential as a first-line oral treatment option for melioidosis.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7001 mL	13.5007 mL	27.0015 mL
5 mM	0.540 mL	2.7001 mL	5.4003 mL
10 mM	0.270 mL	1.3501 mL	2.7001 mL
50 mM	0.054 mL	0.270 mL	0.540 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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