

## SCUT1-2

## Chemical Properties

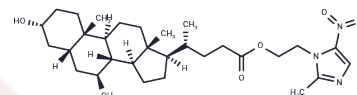
CAS No. : 2930140-57-9

Formula: C30H47N3O6

Molecular Weight: 545.711

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	SCUT1-2 is a bifunctional antibacterial agent with good oral bioavailability in mice (F=56.8%). It effectively kills the vegetative cells of <i>C. difficile</i> with a MIC of 0.06-0.50 µg/mL and inhibits spore germination in vitro. SCUT1-2 alleviates weight loss and diarrhea symptoms caused by <i>C. difficile</i> infection (CDI) in mice and prevents recurrence.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8325 mL	9.1624 mL	18.3248 mL
5 mM	0.3665 mL	1.8325 mL	3.665 mL
10 mM	0.1832 mL	0.9162 mL	1.8325 mL
50 mM	0.0366 mL	0.1832 mL	0.3665 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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