

Antibacterial agent 202

Chemical Properties

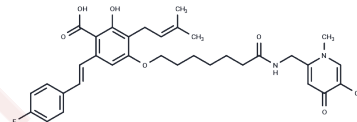
CAS No. : 3035899-61-4

Formula: C34H39FN2O7

Molecular Weight: 606.68

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 202 (Compound 45c) is a low-cytotoxicity antibacterial agent (Bacterial inhibitor) that exhibits good activity against Gram-negative bacteria, including Escherichia coli, Klebsiella pneumoniae, and particularly Pseudomonas aeruginosa, with a minimum inhibitory concentration (MIC) of 7.8-31.25 μ M. It exerts its antibacterial effect by disrupting cell membrane integrity and is useful for research on bacterial infections.
Targets(IC50)	Antibacterial
In vitro	Antibacterial agent 202 exhibits antibacterial activity in an online worm infection model at concentrations of 12.5-50 μ M over a period of 24-72 hours.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6483 mL	8.2416 mL	16.4832 mL
5 mM	0.3297 mL	1.6483 mL	3.2966 mL
10 mM	0.1648 mL	0.8242 mL	1.6483 mL
50 mM	0.033 mL	0.1648 mL	0.3297 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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