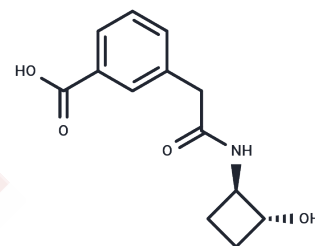


## Antibacterial agent 254

## Chemical Properties

CAS No. :	2418779-48-1
Formula:	C13H15NO4
Molecular Weight:	249.26
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	Antibacterialagent 254 (Compound 2) is an antimicrobial agent capable of eradicating 7-day-old <i>P. aeruginosa</i> biofilms at a concentration of 50 $\mu$ M without affecting bacterial growth. Additionally, Antibacterialagent 254 enhances the efficacy of Ciprofloxacin against <i>P. aeruginosa</i> and upregulates the expression of the matrix-degrading enzyme genes <i>pelA</i> , <i>pslG</i> , and <i>eddA</i> .
Targets(IC50)	Apoptosis,Reactive Oxygen Species,HDAC,Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0119 mL	20.0594 mL	40.1188 mL
5 mM	0.8024 mL	4.0119 mL	8.0238 mL
10 mM	0.4012 mL	2.0059 mL	4.0119 mL
50 mM	0.0802 mL	0.4012 mL	0.8024 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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