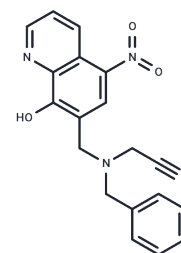


Metallo-β-lactamase-IN-5

Chemical Properties

CAS No. :	1417737-65-5
Formula:	C ₁₉ H ₁₆ N ₄ O ₃
Molecular Weight:	348.36
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Metallo-β-lactamase-IN-5 (compound 5c) is a powerful inhibitor of metallo-β-lactamases (MBLs). Its inhibitory activity against MBLs NDM-1 and VIM-1 has been demonstrated. With an IC ₅₀ value of 45 µg/mL, Metallo-β-lactamase-IN-5 effectively inhibits HUVECs. Additionally, when combined with Imipenem, Metallo-β-lactamase-IN-5 exhibits synergistic antimicrobial activity [1].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8706 mL	14.353 mL	28.7059 mL
5 mM	0.5741 mL	2.8706 mL	5.7412 mL
10 mM	0.2871 mL	1.4353 mL	2.8706 mL
50 mM	0.0574 mL	0.2871 mL	0.5741 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.

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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