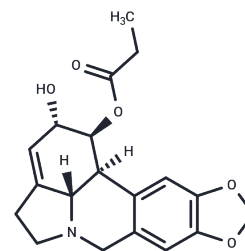


RdRP-IN-9

Chemical Properties

CAS No. : 1101848-34-3
 Formula: C₁₉H₂₁NO₅
 Molecular Weight: 343.374
 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	RdRP-IN-9 (Compound 6b) is a reversible covalent allosteric inhibitor of RdRp, demonstrating substantial anti-coronavirus activity with an EC ₅₀ of 0.68 μM against HCoV-OC43. By reversibly acylating the Cys12 in the NiRAN domain of non-structural protein 12 (nsp 12), it exerts prolonged antiviral effects and shows synergistic anti-coronavirus activity with Molnupiravir.
Targets(IC50)	SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9123 mL	14.5616 mL	29.1231 mL
5 mM	0.5825 mL	2.9123 mL	5.8246 mL
10 mM	0.2912 mL	1.4562 mL	2.9123 mL
50 mM	0.0582 mL	0.2912 mL	0.5825 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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