

SARS-CoV-2-IN-51

Chemical Properties

CAS No. :

Formula: C₅₈H₈₅N₁₄

Molecular Weight: 1020.29

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	SARS-CoV-2-IN-51 (S-10), a lead compound for Omicron fusion inhibition, demonstrates potent activity against Omicron and other SARS-CoV-2 variants, with EC ₅₀ values ranging from 0.82-5.45 μ M. It functions by directly interacting with the spike (S) protein in the prefusion state [1], thereby preventing viral entry.
Targets(IC ₅₀)	SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9801 mL	4.9006 mL	9.8011 mL
5 mM	0.196 mL	0.9801 mL	1.9602 mL
10 mM	0.098 mL	0.4901 mL	0.9801 mL
50 mM	0.0196 mL	0.098 mL	0.196 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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