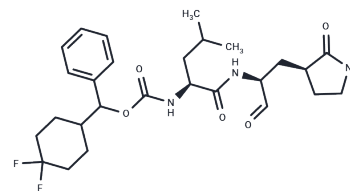


SARS-CoV-2-IN-10

Chemical Properties

CAS No. : 2722634-95-7
Formula: C₂₇H₃₇F₂N₃O₅
Molecular Weight: 521.606
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	SARS-CoV-2-IN-10 is a powerful and non-toxic inhibitor of SARS-CoV-2 3CL protease, with IC ₅₀ and EC ₅₀ values of 0.13 nM and 1.03 nM, respectively. The SARS-CoV-2 3C-like protease (3CLpro) is a critical enzyme for viral replication and serves as an ideal target for intervention. By targeting the SARS-CoV-2 3CL protease, SARS-CoV-2-IN-10 has the potential to facilitate the development of effective antiviral drugs specific to SARS-CoV-2.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9171 mL	9.5857 mL	19.1714 mL
5 mM	0.3834 mL	1.9171 mL	3.8343 mL
10 mM	0.1917 mL	0.9586 mL	1.9171 mL
50 mM	0.0383 mL	0.1917 mL	0.3834 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.

Reference

Dampalla CS, et al. Structure-Guided Design of Potent Inhibitors of SARS-CoV-2 3CL Protease: Structural, Biochemical, and Cell-Based Studies. J Med Chem. 2021;64(24):17846-17865.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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