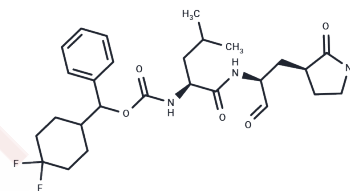


SARS-CoV-2-IN-10

Chemical Properties

CAS No. :	2722634-95-7
Formula:	C ₂₇ H ₃₇ F ₂ N ₃ O ₅
Molecular Weight:	521.606
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-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 critical 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.
Targets(IC ₅₀)	Others,SARS-CoV

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.

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.

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481