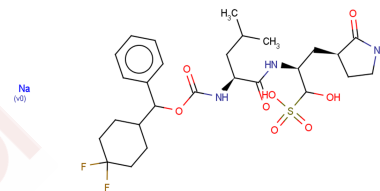


## SARS-CoV-2-IN-11

## Chemical Properties

CAS No. :	2722635-28-9
Formula:	C27H39F2N3NaO8S
Molecular Weight:	626.67
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-11 is a highly potent and non-toxic inhibitor of the 3C-like protease (3CLpro) of SARS-CoV-2, with IC50 and EC50 values of 0.17 nM and 1.45 nM, respectively. This compound targets the essential viral replication enzyme (3CLpro), making it an attractive candidate for intervention strategies and holds significant promise in the development of specific antivirals against SARS-CoV-2.
Targets(IC50)	Others,SARS-CoV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5957 mL	7.9787 mL	15.9574 mL
5 mM	0.3191 mL	1.5957 mL	3.1915 mL
10 mM	0.1596 mL	0.7979 mL	1.5957 mL
50 mM	0.0319 mL	0.1596 mL	0.3191 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.

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