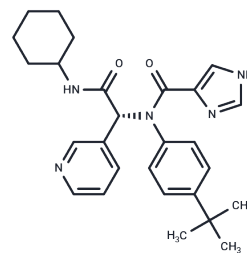


X77

Chemical Properties

CAS No. : 2455518-33-7
 Formula: C₂₇H₃₃N₅O₂
 Molecular Weight: 459.58
 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	X77 is an effective non-covalent inhibitor of the main protease of SARS-CoV-2 (SARS-CoV-2 M pro) [1]. X77 binds to SARS-CoV-2 M pro with a K _d value of 0.057 μM [2].
Targets(IC50)	Others,SARS-CoV
In vitro	X77 binds to SARS-CoV-2 M protease (PDB code: 6W63), the main protease of SARS-CoV-2, which is a critical drug target among coronaviruses [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1759 mL	10.8795 mL	21.759 mL
5 mM	0.4352 mL	2.1759 mL	4.3518 mL
10 mM	0.2176 mL	1.0879 mL	2.1759 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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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