

## SARS-CoV-2 Mpro-IN-5

### Chemical Properties

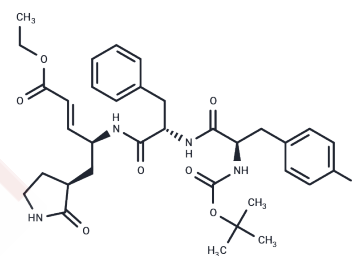
CAS No. :

Formula: C<sub>34</sub>H<sub>43</sub>FN<sub>4</sub>O<sub>7</sub>

Molecular Weight: 638.73

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 Mpro-IN-5 is a dual inhibitor targeting Main Protease (M Pro) and Cathepsin L (CatL) with IC <sub>50</sub> values of 1800 nM and 145 nM, respectively. This compound demonstrates antiviral activity by inhibiting SARS-CoV-2 replication in hACE2 expressing A549 cells, with an IC <sub>50</sub> value of 14.7 nM.
Targets(IC <sub>50</sub> )	Others,SARS-CoV

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5656 mL	7.828 mL	15.6561 mL
5 mM	0.3131 mL	1.5656 mL	3.1312 mL
10 mM	0.1566 mL	0.7828 mL	1.5656 mL
50 mM	0.0313 mL	0.1566 mL	0.3131 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

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