

UCI-1

## Chemical Properties

CAS No. :

Formula: C33H45N7O7

Molecular Weight: 651.75

Keep away from moisture

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	UCI-1 is a cyclic peptide inhibitor of the SARS-CoV-2 main protease (Mpro), with an IC50 of 160 $\mu$ M. It does not exhibit significant cytotoxicity at concentrations that inhibit Mpro. UCI-1 is applicable in the research of anti-COVID-19 therapeutics.
Targets(IC50)	SARS-CoV, Virus Protease

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5343 mL	7.6717 mL	15.3433 mL
5 mM	0.3069 mL	1.5343 mL	3.0687 mL
10 mM	0.1534 mL	0.7672 mL	1.5343 mL
50 mM	0.0307 mL	0.1534 mL	0.3069 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

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