

CTSL/CAPN1-IN-2

Chemical Properties

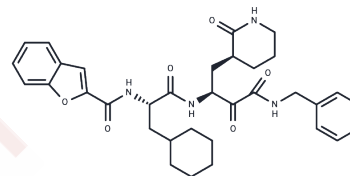
CAS No. : 2410075-64-6

Formula: C₃₄H₄₀N₄O₆

Molecular Weight: 600.7

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	CTSL/CAPN1-IN-2 (Compound 14b) serves as an orally active inhibitor targeting both CTSL and CAPN1, manifesting IC ₅₀ values of 6.88 nM for CTSL and 347.6 nM for CAPN1 respectively. This compound not only displays anti-inflammatory attributes but also features favorable pharmacokinetic properties. Moreover, CTSL/CAPN1-IN-2 shows extensive antiviral effects against coronaviruses by inhibiting viral entry [1].
Targets(IC ₅₀)	Cysteine Protease,SARS-CoV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6647 mL	8.3236 mL	16.6472 mL
5 mM	0.3329 mL	1.6647 mL	3.3294 mL
10 mM	0.1665 mL	0.8324 mL	1.6647 mL
50 mM	0.0333 mL	0.1665 mL	0.3329 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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