

## SARS-CoV-2 nsp13-IN-1

## Chemical Properties

CAS No. : 1005304-44-8

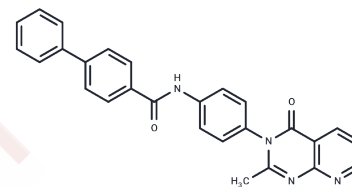
Formula: C<sub>27</sub>H<sub>20</sub>N<sub>4</sub>O<sub>2</sub>

Molecular Weight: 432.47

Store at low temperature

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 nsp13-IN-1 (compound C1) is a potent inhibitor of nsp13 (non-structural protein 13), selectively inhibiting nsp13 ssDNA+ATPase with an IC <sub>50</sub> of 6 μM, but not ssDNA-ATPase, and can be used to study COVID-19.
Targets(IC <sub>50</sub> )	Antiviral,SARS-CoV

## Solubility Information

Solubility	DMSO: 30 mg/mL (69.37 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3123 mL	11.5615 mL	23.123 mL
5 mM	0.4625 mL	2.3123 mL	4.6246 mL
10 mM	0.2312 mL	1.1561 mL	2.3123 mL
50 mM	0.0462 mL	0.2312 mL	0.4625 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

Yazdi AK, et al. Kinetic Characterization of SARS-CoV-2 nsp13 ATPase Activity and Discovery of Small-Molecule Inhibitors. ACS Infect Dis. 2022 Jul 13.

**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