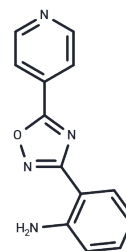


PLpro/RBD-IN-1

## Chemical Properties

CAS No. : 1282451-83-5  
 Formula: C<sub>13</sub>H<sub>10</sub>N<sub>4</sub>O  
 Molecular Weight: 238.24  
 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	PLpro/RBD-IN-1 is a dual inhibitor of SARS-CoV-2 PLpro and the spiny protein RBD, with anti-novel coronavirus activity, and is seen for the study of viral infections.
Targets(IC50)	SARS-CoV

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1974 mL	20.9872 mL	41.9745 mL
5 mM	0.8395 mL	4.1974 mL	8.3949 mL
10 mM	0.4197 mL	2.0987 mL	4.1974 mL
50 mM	0.0839 mL	0.4197 mL	0.8395 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

Mohammed Salah Ayoup, et al. Repurposing 1,2,4-oxadiazoles as SARS-CoV-2 PLpro inhibitors and investigation of their possible viral entry blockade potential. Eur J Med Chem. 2023 Apr 5;252:115272.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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