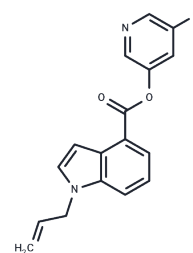


GRL-0820

## Chemical Properties

CAS No. :	2725749-22-2
Formula:	C <sub>17</sub> H <sub>13</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	312.75
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	GRL-0820 (SARS-CoV-2-IN-6) is a potent SARS-CoV-2 3CLpro inhibitor that can be used to study novel coronavirus infections.
Targets(IC50)	SARS-CoV

## Solubility Information

Solubility	DMSO: 80 mg/mL (255.8 mM),Sonication is recommended. H <sub>2</sub> O: < 1 mg/mL (Insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (10.55 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1974 mL	15.9872 mL	31.9744 mL
5 mM	0.6395 mL	3.1974 mL	6.3949 mL
10 mM	0.3197 mL	1.5987 mL	3.1974 mL
50 mM	0.0639 mL	0.3197 mL	0.6395 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

Ghosh AK, et al. Indole Chloropyridinyl Ester-Derived SARS-CoV-2 3CLpro Inhibitors: Enzyme Inhibition, Antiviral Efficacy, Structure-Activity Relationship, and X-ray Structural Studies. J Med Chem. 2021 Oct 14;64(19):14702-14714.

**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