SARS-CoV-2 3CLpro-IN-20

Cat. No.: HY-155187

CAS No.: 878985-00-3

Molecular Formula: $C_{19}H_{12}BrNO_2$

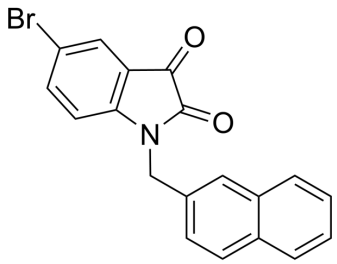
Molecular Weight: 366.21

Target: SARS-CoV

Pathway: Anti-infection

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 4.76 mg/mL (13.00 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.7307 mL	13.6534 mL	27.3067 mL
5 mM	0.5461 mL	2.7307 mL	5.4613 mL
10 mM	0.2731 mL	1.3653 mL	2.7307 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

SARS-CoV-2 3CLpro-IN-20 (Compound 5g) is a covalent SARS-CoV-2 3CLpro inhibitor (IC_{50}s: 0.43 μM, K_i: ?0.33?μM)[1].

IC_{50} & Target

0.43 μM (SARS-CoV-2 3CLpro)[1]

REFERENCES

[1]. Bao HL, et al. Design and synthesis of isatin derivatives as effective SARS-CoV-2 3CL protease inhibitors. Chem Biol Drug Des. 2023 Aug 10.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA