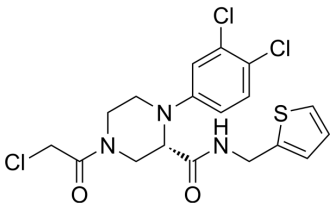
SARS-CoV-2 Mpro-IN-6

Cat. No.:	HY-152108
CAS No.:	2768834-48-4
Molecular Formula:	$C_{18}H_{18}Cl_3N_3O_2S$
Molecular Weight:	446.78
Target:	SARS-CoV
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SARS-CoV-2 Mpro-IN-6 is a covalent, irreversible and selective SARS-CoV-2 M^{pro} inhibitor with an IC_{50} of 0.18 μM. SARS-CoV-2 Mpro-IN-6 does not inhibit human cathepsins B, F, K, and L, and caspase 3[1].
IC_{50} & Target	IC50: 0.18 μM (SARS-CoV-2 Mpro)[1]
In Vitro	SARS-CoV-2 Mpro-IN-6 (GD-9) shows good antiviral potency against SARS-CoV-2 (ECsub>50= 2.64 μM). SARS-CoV-2 Mpro-IN-6 displays some cytotoxicity (CCsub>50of 12.51 μM) in Vero E6 cells[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Shenghua Gao, et al. Discovery and Crystallographic Studies of Nonpeptidic Piperazine Derivatives as Covalent SARS-CoV-2 Main Protease Inhibitors. J Med Chem. 2022 Dec 22;65(24):16902-16917.

Caution: Product has not been fully validated for medical applications. For research use only.

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