SARS-CoV-2 Mpro-IN-13

Cat. No.: HY-163186

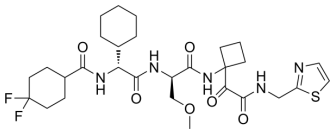
Molecular Formula: $C_{29}H_{41}F_2N_5O_6S$

Molecular Weight: 625.73

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-13 (compound 20j) is a covalent SARS-CoV-2 Protease Mpro inhibitor with an IC_{50} value of 19.0 nM. SARS-CoV-2 Mpro-IN-13 processes antiviral activity with an EC_{50} value of 138.1 nM[1].
IC_{50} & Target	IC_{50}:19.0 nM (Mpro)[1]
In Vitro	SARS-CoV-2 Mpro-IN-13 inhibits activity of Mpro with IC_{50} of 19.0 nM [1]. SARS-CoV-2 Mpro-IN-13 inhibits replication of SARS-CoV-2 in HPAEpiC cells with EC_{50} of 138.1 nM [1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Huang Q,et al. Discovery of α-Ketoamide inhibitors of SARS-CoV-2 main protease derived from quaternized P1 groups. Bioorg Chem. 2023 Dec 6;143:107001.

[2]. Qiao Huang, et al. Discovery of α-Ketoamide inhibitors of SARS-CoV-2 main protease derived from quaternized P1 groups. Bioorg Chem. 2023 Dec 6:143:107001.

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