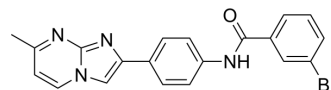


SARS-CoV-2 nsp13-IN-4

Cat. No.:	HY-150625
CAS No.:	923140-39-0
Molecular Formula:	C ₂₀ H ₁₅ BrN ₄ O
Molecular Weight:	407.26
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 nsp13-IN-4 (C4 (d)) is a potent and selective nsp13 helicase small-molecule inhibitor and inhibit the ssDNA+ ATPase activity of nsp13 with an IC ₅₀ value of 57 μM. SARS-CoV-2 nsp13-IN-4 is agentlike molecule with molecular weight of less than 450Da and can provide a broad-spectrum antiviral effect ^[1] .
IC₅₀ & Target	IC ₅₀ : 57 μM (nsp13 ssDNA+ ATPase) ^[1]
In Vitro	SARS-CoV-2 nsp13-IN-4 (C4 (d)) inhibits the ssDNA+ ATPase activity and the ssDNA- ATPase activity of nsp13 with IC ₅₀ values of 57 μM and 240 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Aliakbar Khalili Yazdi, et al. Kinetic Characterization of SARS-CoV-2 nsp13 ATPase Activity and Discovery of Small-Molecule Inhibitors. ACS Infect Dis. 2022 Jul 13.

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

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