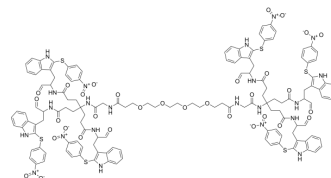


SARS-CoV-2-IN-55

Cat. No.:	HY-155734
Molecular Formula:	C ₁₃₈ H ₁₃₆ N ₂₂ O ₃₂ S ₆
Molecular Weight:	2807.07
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-IN-55(compound 65) is a low cytotoxicity inhibitor of SARS-CoV-2 with an IC ₅₀ value of 0.3 μM, by the direct interaction with VSV-S pseudoparticles ^[1] .								
IC₅₀ & Target	IC ₅₀ : 0.3 μM (SARS-CoV-2) ^[1]								
In Vitro	<p>SARS-CoV-2-IN-55 (10 μM, 24 h) inhibits the viral activity of SARS-CoV-2 in Vero E6 cell and A549-ACE2-TMPRSS2 cell respectively with the IC₅₀ value of 0.3 μM and 15.8 μM, meanwhile inhibits the viral activity of Wuhan-Hu-1 (IC₅₀=0.28 μM) and Omicron BA.1 (IC₅₀=6.24 μM) in Vero E6-TMPRSS2 cell^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Antiviral Activity assay</p> <table border="1"> <tr> <td>Cell Line:</td> <td>Vero E6 , A549-Ace2-TMPRSS2 cell, Vero E6-TMPRSS2 Cell ^[1]</td> </tr> <tr> <td>Concentration:</td> <td>10 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24 h</td> </tr> <tr> <td>Result:</td> <td>Inhibited the viral activity of SARS-CoV-2 in Vero E6 and A549-Ace2-TMPRSS2 cell. Inhibited the viral activity of Wuhan-Hu-1 and Omicron BA.1 in Vero E6-TMPRSS2 Cell.</td> </tr> </table>	Cell Line:	Vero E6 , A549-Ace2-TMPRSS2 cell, Vero E6-TMPRSS2 Cell ^[1]	Concentration:	10 μM	Incubation Time:	24 h	Result:	Inhibited the viral activity of SARS-CoV-2 in Vero E6 and A549-Ace2-TMPRSS2 cell. Inhibited the viral activity of Wuhan-Hu-1 and Omicron BA.1 in Vero E6-TMPRSS2 Cell.
Cell Line:	Vero E6 , A549-Ace2-TMPRSS2 cell, Vero E6-TMPRSS2 Cell ^[1]								
Concentration:	10 μM								
Incubation Time:	24 h								
Result:	Inhibited the viral activity of SARS-CoV-2 in Vero E6 and A549-Ace2-TMPRSS2 cell. Inhibited the viral activity of Wuhan-Hu-1 and Omicron BA.1 in Vero E6-TMPRSS2 Cell.								

REFERENCES

[1]. Marta Gargantilla, et al. C₈₂ Thiophenyl Tryptophan Trimers Inhibit Cellular Entry of SARS-CoV-2 through Interaction with the Viral Spike (S) Protein. J Med Chem. 2023.

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

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