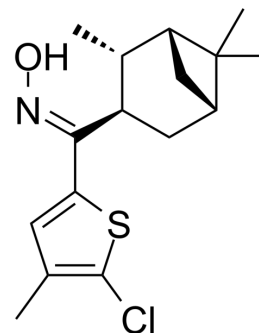


Anti-Influenza agent 3

Cat. No.:	HY-147881
CAS No.:	2481321-20-2
Molecular Formula:	C ₁₆ H ₂₂ ClNOS
Molecular Weight:	311.87
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Anti-Influenza agent 3 (compound 11h) is a potent anti-influenza agent with EC ₅₀ values of 3.29, 2.45 μM for A/HK/68 (H3N2, M2-WT), A/WSN/33 (H1N1, M2-S31N) strain, respectively. Anti-Influenza agent 3 shows low cytotoxicity for MDCK epithelial cells. Anti-Influenza agent 3 inhibits the M2 WT and S31N ion channel conductivity ^[1] .
IC₅₀ & Target	EC ₅₀ : 3.29 μM (H3N2); 2.45 μM (H1N1) ^[1] .
In Vitro	Anti-Influenza agent 3 shows low cytotoxicity for MDCK epithelial cells with an TC ₅₀ of >173.14 μM ^[1] . Anti-Influenza agent 3 (100 μM) inhibits the M2 WT and S31N ion channel conductivity in 293 T-Rex cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Dong J, Xiao M, Ma Q, Zhang G, Zhao W, Kong M, Zhang Y, Qiu L, Hu W. Design and synthesis of pinane oxime derivatives as novel anti-influenza agents. *Bioorg Chem.* 2020 Sep;102:104106.

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

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