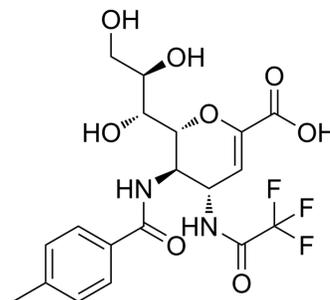


Neuraminidase-IN-15

Cat. No.:	HY-149060
Molecular Formula:	C ₁₉ H ₂₁ F ₃ N ₂ O ₈
Molecular Weight:	462.37
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Neuraminidase-IN-15 is an inhibitor of neuraminidase. Neuraminidase-IN-15 inhibits the activity of La Sota Clone 30 NDV-HN with an IC ₅₀ value of 0.06 μM. Neuraminidase-IN-15 can be used for the study of Newcastle disease virus (NDV) ^[1] .
In Vitro	Neuraminidase-IN-15 (Compound 23) (0.0001-100 μM) reduces the newcastle disease virus (NDV) La Sota load in Vero cells with dose-dependent manner ^[1] . Neuraminidase-IN-15 inhibits NDV La Sota binding and release in Vero cells with IC ₅₀ values of 24 μM and 0.13 μM, respectively ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Rota P, et al. Design, Synthesis, and Antiviral Evaluation of Sialic Acid Derivatives as Inhibitors of Newcastle Disease Virus Hemagglutinin-Neuraminidase: A Translational Study on Human Parainfluenza Viruses. *ACS Infect Dis.* 2023 Mar 10;9(3):617-630.

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

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