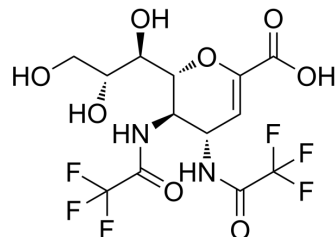


## Neuraminidase-IN-14

Cat. No.:	HY-149059
Molecular Formula:	C <sub>13</sub> H <sub>14</sub> F <sub>6</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	440.25
Target:	Influenza Virus
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Neuraminidase-IN-14 is an inhibitor of neuraminidase. Neuraminidase-IN-14 inhibits the activity of La Sota Clone 30 NDV-HN with an IC <sub>50</sub> value of 0.20 μM. Neuraminidase-IN-14 can be used for research on Newcastle disease virus (NDV) infection <sup>[1]</sup> .
<b>In Vitro</b>	Neuraminidase-IN-14 (Compound 24) (0.0001-100 μM) reduces the newcastle disease virus (NDV) La Sota load in Vero cells with dose-dependent manner <sup>[1]</sup> . Neuraminidase-IN-14 inhibits NDV La Sota binding and release in Vero cells with IC <sub>50</sub> values of 15 μM and 0.17 μM, respectively <sup>[1]</sup> . 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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