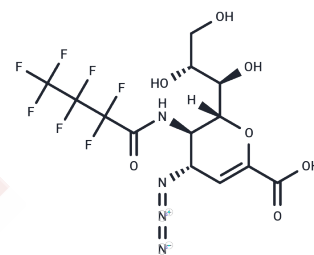


Neuraminidase-IN-13

Chemical Properties

CAS No. :	2222067-23-2
Formula:	C ₁₃ H ₁₃ F ₇ N ₄ O ₇
Molecular Weight:	470.25
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Neuraminidase-IN-13 (Compound 10), a neuraminidase inhibitor exhibiting antiviral activity, demonstrates significant inhibition of NDV infection in Vero cells with minimal cytotoxicity by impeding the release of viral particles from infected cells [1].
Targets(IC50)	Influenza Virus
In vitro	Neuraminidase-IN-13 inhibits plaque formation in the NDV La Sota strain with an IC50 of 0.06 μM [1]. It also suppresses viral replication with an IC50 of 0.04 μM [1] and demonstrates no cytotoxicity on cells, with a CC50 value greater than 2500 μM [1]. Furthermore, Neuraminidase-IN-13 impedes viral attachment to Vero cells, having an IC50 of 4 μM [1], and obstructs the release of the virus from Vero cells with an IC50 of 0.09 μM [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1265 mL	10.6326 mL	21.2653 mL
5 mM	0.4253 mL	2.1265 mL	4.2531 mL
10 mM	0.2127 mL	1.0633 mL	2.1265 mL
50 mM	0.0425 mL	0.2127 mL	0.4253 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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