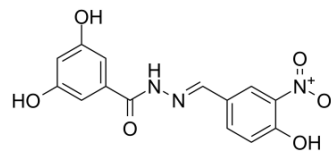


Neuraminidase-IN-1

Cat. No.:	HY-137334	
CAS No.:	2379438-80-7	
Molecular Formula:	C ₁₄ H ₁₁ N ₃ O ₆	
Molecular Weight:	317.25	
Target:	Influenza Virus	
Pathway:	Anti-infection	
Storage:	Powder	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (394.01 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.1521 mL	15.7604 mL	31.5209 mL
		5 mM	0.6304 mL	3.1521 mL	6.3042 mL
10 mM		0.3152 mL	1.5760 mL	3.1521 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.08 mg/mL (6.56 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Neuraminidase-IN-1 is a neuraminidase inhibitor, with an IC ₅₀ of 0.21 μM. Neuraminidase-IN-1 has excellent activity against H1N1 influenza virus and good inhibitory effect on the A/WSN/33 H1N1 virus strains ^[1] .
IC ₅₀ & Target	IC ₅₀ : 0.21 μM (neuraminidase) ^[1]
In Vitro	Neuraminidase-IN-1 has excellent activity against H1N1 influenza virus, has completely different structure from previous neuraminidase, has good inhibitory effect on the A/WSN/33H1N1 virus strains, and has low toxicity and good druggability ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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