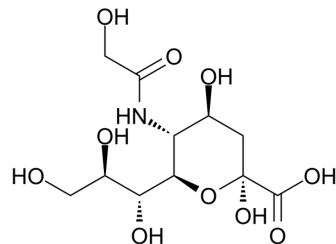


## N-Glycolylneuraminic acid

<b>Cat. No.:</b>	HY-128965		
<b>CAS No.:</b>	1113-83-3		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>19</sub> NO <sub>10</sub>		
<b>Molecular Weight:</b>	325.27		
<b>Target:</b>	Influenza Virus; Endogenous Metabolite		
<b>Pathway:</b>	Anti-infection; Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 83.33 mg/mL (256.19 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	3.0744 mL	15.3718 mL	30.7437 mL
		5 mM	0.6149 mL	3.0744 mL	6.1487 mL
		10 mM	0.3074 mL	1.5372 mL	3.0744 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: 10 mg/mL (30.74 mM); Clear solution; Need ultrasonic and warming and heat to 60°C				

### BIOLOGICAL ACTIVITY

<b>Description</b>	N-Glycolylneuraminic acid is a nonhuman sialic acid molecule synthesized in pigs but not in humans. N-Glycolylneuraminic acid works as a decoy receptor of N-Glycolylneuraminic acid-binding influenza A viruses (IAVs) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite

### REFERENCES

[1]. Takahashi T, et al. N-glycolylneuraminic acid on human epithelial cells prevents entry of influenza A viruses that possess N-glycolylneuraminic acid binding ability. J Virol. 2014 Aug;88(15):8445-56.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA