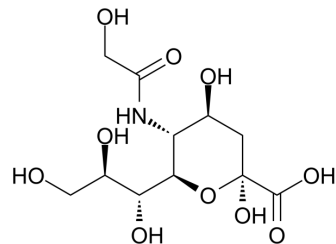


## N-Glycolylneuraminic acid

<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

#### In Vitro

H<sub>2</sub>O : 83.33 mg/mL (256.19 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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.

### BIOLOGICAL ACTIVITY

#### Description

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>.

#### IC<sub>50</sub> & Target

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.

---

**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