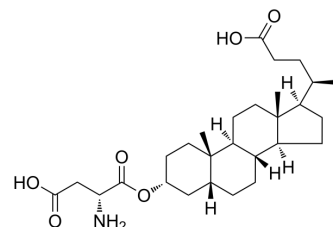


## $\alpha$ -2,3-sialyltransferase-IN-1

<b>Cat. No.:</b>	HY-112535		
<b>CAS No.:</b>	881179-06-2		
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>45</sub> NO <sub>6</sub>		
<b>Molecular Weight:</b>	491.66		
<b>Target:</b>	Sialyltransferase		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO :  $\geq$  103.7 mg/mL (210.92 mM)  
 \* " $\geq$ " means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		2.0339 mL	10.1696 mL	20.3393 mL
	5 mM		0.4068 mL	2.0339 mL	4.0679 mL
	10 mM		0.2034 mL	1.0170 mL	2.0339 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

<b>Description</b>	$\alpha$ -2,3-sialyltransferase-IN-1 (Lith-O-Asp analog) is a noncompetitive $\alpha$ -2,3-sialyltransferase inhibitor with an IC <sub>50</sub> of 6 $\mu$ M.
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 6 $\mu$ M ( $\alpha$ -2,3-sialyltransferase) <sup>[1]</sup>
<b>In Vitro</b>	$\alpha$ -2,3-sialyltransferase-IN-1 is compound 17 in the reference <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Chang KH, et al. Lithocholic acid analogues, new and potent alpha-2,3-sialyltransferase inhibitors. Chem Commun (Camb). 2006 Feb 14;(6):629-31.

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

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