

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

## Chemical Properties

CAS No. : 881179-06-2

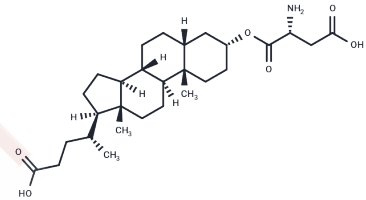
Formula: C<sub>28</sub>H<sub>45</sub>N<sub>1</sub>O<sub>6</sub>

Molecular Weight: 491.66

Store at low temperature

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	$\alpha$ -2,3-sialyltransferase-IN-1 (Lith-O-Asp analog) is an $\alpha$ -2,3-sialyltransferase inhibitor with anticancer activity. Vapendavir diphosphate inhibits EV71 replication.
Targets(IC50)	Transferase
In vitro	$\alpha$ -2,3-sialyltransferase-IN-1 is a non-competitive inhibitor of $\alpha$ -2,3-sialyltransferase with an IC <sub>50</sub> value of 6 $\mu$ M. $\alpha$ -2,3-sialyltransferase-IN-1 is compound 17 in the

## Solubility Information

Solubility	DMSO: 80 mg/mL (162.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
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	1.017 mL	2.0339 mL
50 mM	0.0407 mL	0.2034 mL	0.4068 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.

Reference

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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