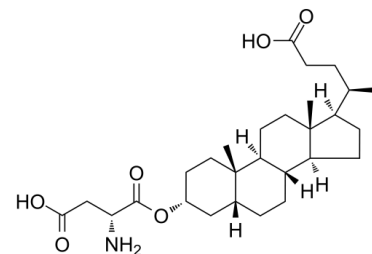


Data Sheet

Product Name:	α -2,3-sialyltransferase-IN-1
Cat. No.:	CS-0046326
CAS No.:	881179-06-2
Molecular Formula:	C ₂₈ H ₄₅ NO ₆
Molecular Weight:	491.66
Target:	Others
Pathway:	Others
Solubility:	DMSO : ≥ 103.7 mg/mL (210.92 mM)



BIOLOGICAL ACTIVITY:

α -2,3-sialyltransferase-IN-1 (Lith-O-Asp analog) is a noncompetitive α -2,3-sialyltransferase inhibitor with an IC₅₀ of 6 μ M. IC₅₀ & Target: IC₅₀: 6 μ M (α -2,3-sialyltransferase)^[1] **In Vitro:** α -2,3-sialyltransferase-IN-1 is compound 17 in the reference^[1].

References:

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

CAIndexNames:

Cholan-24-oic acid, 3-[(2R)-2-amino-3-carboxy-1-oxopropoxy]-, (3 α ,5 β)-

SMILES:

C[C@@]1([C@@]2([H])[C@H](C)CCC(O)=O)[C@](CC2)([H])[C@@](CC[C@@]3([H])[C@@]4(CC[C@@H](OC([C@H](N)CC(O)=O)=O)C3)C)([H])[C@]4([H])CC1

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

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