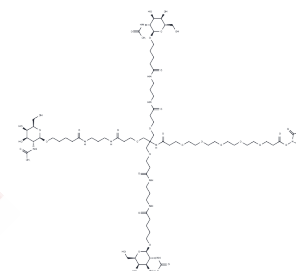


Tri-GalNAc-NHS ester

Chemical Properties

CAS No. :	1953146-83-2
Formula:	C79H137N11O37
Molecular Weight:	1833.01
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Tri-GalNAc-NHS ester is a high-affinity triantennary N-acetylgalactosamine (GalNAc) derivative acting as a specific ligand for the Asialoglycoprotein Receptor (ASGPR) with a Kd of approximately 2.5 nM, which conjugates to antibodies via the NHS ester moiety to construct Lysosome Targeting Chimeras (LYTACs) for the liver-specific degradation of extracellular proteins.
Targets(IC50)	LYTACs
In vitro	In cell-based assays using HepG2 cells, Tri-GalNAc-NHS ester triggered ASGPR-mediated endocytosis and targeted extracellular proteins for lysosomal degradation [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5456 mL	2.7278 mL	5.4555 mL
5 mM	0.1091 mL	0.5456 mL	1.0911 mL
10 mM	0.0546 mL	0.2728 mL	0.5456 mL
50 mM	0.0109 mL	0.0546 mL	0.1091 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

Zhou Y, et al. Development of Triantennary N-Acetylgalactosamine Conjugates as Degradable for Extracellular Proteins. ACS Cent Sci. 2021 Mar 24;7(3):499-506.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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