Product Data Sheet

Product Name: Tri-GalNAc-NH2
Cat. No.: GC81891

Chemical Properties

Cas. No.	1646198-77-7		
Formula	$C_{67}H_{121}N_{11}O_{28}$	M.Wt	1528.75
Solubility		Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

Tri-GalNAc-NH2 is a synthetic tri-N-acetylgalactosamine ligand that targets the asialoglycoprotein receptor (ASGPR). Tri-GalNAc-NH2 can be used as an intermediate for constructing LYTAC antibody-ligand conjugates [1].

In Vitro, Tri-GalNAc-NH2 (compound 6) can be used as an intermediate to react and generate Tri-GalNAc-DBCO (compound 7), and antibody conjugates carrying the Tri-GalNAc ligand mediate ASGPR-dependent degradation of PCSK9 and EGFR[1].

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

[1]. Donahue TC, et al. Synthetic Site-Specific Antibody-Ligand Conjugates Promote Asialoglycoprotein Receptor-Mediated Degradation of Extracellular Human PCSK9. ACS chemical biology. 2023 Jul 21;18(7):1611-1623.

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