

Product Data Sheet

Product Name: Tri-GalNAc-NH₂

Cat. No.: GC81891

Chemical Properties

Cas. No. 1646198-77-7

Formula C₆₇H₁₂₁N₁₁O₂₈

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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