

Product Data Sheet

Product Name: tri-GalNAc biotin

Cat. No.: GC73125

Chemical Properties

Cas. No.

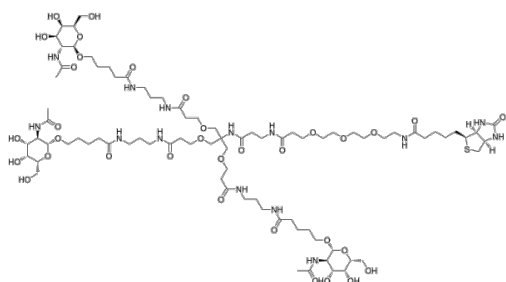
Formula $C_{83}H_{146}N_{14}O_{34}S$ M.Wt 1916.19

Solubility DMSO : 100 mg/mL (52.19 mM;
Need ultrasonic) Storage $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

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

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tri-GalNAc biotin is a small molecule lysosome targeting degrader. tri-GalNAc is a ligand of ASGPR (asialoglycoprotein receptor). tri-GalNAc biotin can facilitate the uptake of NeutrAvidin (NA) through ASGPR in liver cells. tri-GalNAc biotin delivers NeutrAvidin to lysosome for degradation. tri-GalNAc biotin can be used for research of LYsosome TArgeting Chimera (LYTAC).

References:

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

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