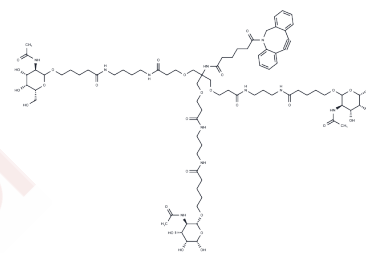


Tri-GalNAc-DBCO

Chemical Properties

CAS No. :	2999748-27-3
Formula:	C82H127N11O29
Molecular Weight:	1730.94
Storage:	Store at low temperature 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-DBCO is a PIP-GalNAc coupling compound that binds ASGPR to drive protein down-regulation and target compounds for protein degradation via copper-free strain-promoted azide-alkyne cycloaddition coupled to azide on a non-specifically labeled antibody.
Targets(IC50)	LYTACs,PROTACs

Solubility Information

Solubility	DMSO: 80 mg/mL (46.22 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (1.91 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5777 mL	2.8886 mL	5.7772 mL
5 mM	0.1155 mL	0.5777 mL	1.1554 mL
10 mM	0.0578 mL	0.2889 mL	0.5777 mL
50 mM	0.0116 mL	0.0578 mL	0.1155 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

Green Ahn, et al. LYACs that engage the asialoglycoprotein receptor for targeted protein degradation. Nat Chem Biol. 2021 Sep;17(9):937-946.

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