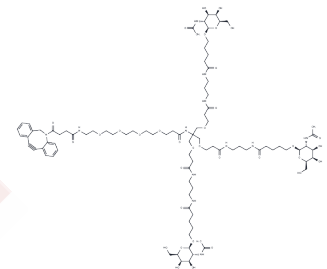


## Trivalent GalNAc-DBCO

### Chemical Properties

CAS No. :	2765060-22-6
Formula:	C <sub>91</sub> H <sub>144</sub> N <sub>12</sub> O <sub>34</sub>
Molecular Weight:	1950.18
Storage:	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	Trivalent GalNAc-DBCO is a synthetic ligand composed of three GalNAc units linked to DBCO. Trivalent GalNAc-DBCO undergoes strain-promoted alkyne-azide cycloaddition (SPAAC) reactions with azide-containing molecules without the need for copper catalysis. Trivalent GalNAc-DBCO binds specifically to the asialoglycoprotein receptor (ASGPR), thereby directing conjugated molecules into hepatocytes for lysosomal degradation through receptor-mediated endocytosis. Trivalent GalNAc-DBCO is extensively applied in studies of liver-targeted drug delivery, targeted degradation strategies, and hepatocyte-specific molecular engineering.
Targets(IC50)	Transmembrane Glycoprotein

### Solubility Information

Solubility	DMSO: 80 mg/mL (41.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5128 mL	2.5639 mL	5.1277 mL
5 mM	0.1026 mL	0.5128 mL	1.0255 mL
10 mM	0.0513 mL	0.2564 mL	0.5128 mL
50 mM	0.0103 mL	0.0513 mL	0.1026 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

Guy Hermans, et al. Conjugate of saponin, oligonucleotide and galnac. WO2022055351A1

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