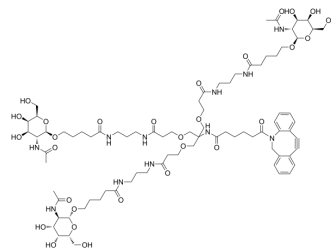


Tri-GalNAc-DBCO

Cat. No.:	HY-148476		
Molecular Formula:	C ₈₂ H ₁₂₇ N ₁₁ O ₂₉		
Molecular Weight:	1730.94		
Target:	LYTACs		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (57.77 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
		Concentration			
		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	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.44 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.44 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.44 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Tri-GalNAc-DBCO can bind to the desialic acid glycoprotein receptor (ASGPR) to drive protein downregulation and target protein degradation, where GalNAc is a high-affinity ligand for hepatocyte-specific ASGPR ^[1] . Tri-GalNAc-DBCO is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.
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REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA