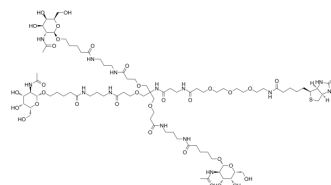


tri-GalNAc biotin

Cat. No.:	HY-147102		
Molecular Formula:	C ₈₃ H ₁₄₆ N ₁₄ O ₃₄ S		
Molecular Weight:	1916.19		
Target:	LYTACs		
Pathway:	PROTAC		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (52.19 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration \ Mass	1 mg	5 mg	10 mg
		1 mM	0.5219 mL	2.6093 mL	5.2187 mL
		5 mM	0.1044 mL	0.5219 mL	1.0437 mL
		10 mM	0.0522 mL	0.2609 mL	0.5219 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 (1.30 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (1.30 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.30 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	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) ^[1] .
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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