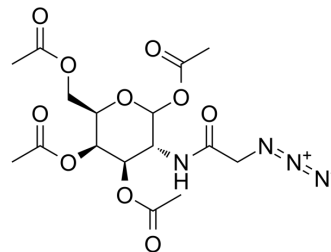


Ac4GalNAz

Cat. No.:	HY-141128
CAS No.:	653600-56-7
Molecular Formula:	C ₁₆ H ₂₂ N ₄ O ₁₀
Molecular Weight:	430.37
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (232.36 mM; Need ultrasonic)					
	H ₂ O : 5 mg/mL (11.62 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.3236 mL	11.6179 mL	23.2358 mL
			5 mM	0.4647 mL	2.3236 mL	4.6472 mL
10 mM			0.2324 mL	1.1618 mL	2.3236 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 (5.81 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.81 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.81 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Ac4GalNAz is an alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] .
IC ₅₀ & Target	Alkyl-Chain
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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