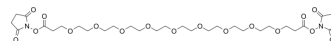


Bis-PEG9-NHS ester

Cat. No.:	HY-117009
CAS No.:	1008402-79-6
Molecular Formula:	C ₃₀ H ₄₈ N ₂ O ₁₇
Molecular Weight:	708.71
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (141.10 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.4110 mL	7.0551 mL	14.1101 mL
		5 mM	0.2822 mL	1.4110 mL	2.8220 mL
	10 mM	0.1411 mL	0.7055 mL	1.4110 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 (3.53 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.53 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.53 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Bis-PEG9-NHS ester is a PEG/Alkyl/ether-based PROTAC linker can be used in the synthesis of PROTACs. Bis-PEG9-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] .		
IC ₅₀ & Target	Cleavable Linker	PEGs	Alkyl/ether
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. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Targeting m2-like tumor-associated macrophages by using melittin-based pro-apoptotic peptide. WO2019212324A1

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