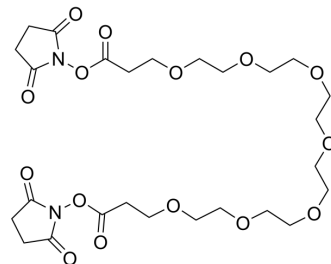


Bis-PEG7-NHS ester

Cat. No.:	HY-126890
CAS No.:	1334170-02-3
Molecular Formula:	C ₂₆ H ₄₀ N ₂ O ₁₅
Molecular Weight:	620.6
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (161.13 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.6113 mL	8.0567 mL	16.1134 mL
	5 mM	0.3223 mL	1.6113 mL	3.2227 mL
	10 mM	0.1611 mL	0.8057 mL	1.6113 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.03 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.03 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Bis-PEG7-NHS ester is a PEG/Alkyl/ether-based PROTAC linker can be used in the synthesis of PROTACs. Bis-PEG7-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1].

IC₅₀ & Target

Cleavable Linker	PEGs	Alkyl/ether
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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]. Mahendra Persaud Deonarai, et al. Biological materials and uses thereof. WO2016046574A1

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

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