Bis-PEG6-NHS ester

Cat. No.: HY-130410

CAS No.: 1526718-98-8

Molecular Formula: $C_{24}H_{36}N_2O_{14}$

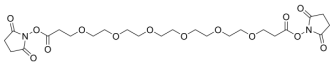
Molecular Weight: 576.55

Target: ADC Linker; PROTAC Linkers

Pathway: Antibody-drug Conjugate/ADC Related; PROTAC

Storage: -20°C, sealed storage, away from moisture

* The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (216.81 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.7345 mL	8.6723 mL	17.3445 mL
	5 mM	0.3469 mL	1.7345 mL	3.4689 mL
	10 mM	0.1734 mL	0.8672 mL	1.7345 mL

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

BIOLOGICAL ACTIVITY

Description

Bis-PEG6-NHS ester is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Bis-PEG6-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]. John L. Magna, et al. Highly potent multimeric e-selectin antagonists. WO2018068010A1.

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

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