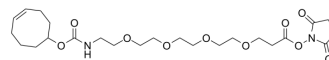


TCO-PEG4-NHS ester

Cat. No.:	HY-141167		
CAS No.:	1613439-69-2		
Molecular Formula:	C ₂₄ H ₃₈ N ₂ O ₁₀		
Molecular Weight:	514.57		
Target:	ADC Linkers; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (97.17 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9434 mL	9.7169 mL	19.4337 mL
	5 mM	0.3887 mL	1.9434 mL	3.8867 mL
	10 mM	0.1943 mL	0.9717 mL	1.9434 mL

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

BIOLOGICAL ACTIVITY

Description	TCO-PEG4-NHS ester is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. TCO-PEG4-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] .	
IC₅₀ & Target	Cleavable	PEGs
In Vitro	<p>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.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>	

REFERENCES

[1]. Jung S, et al. An integrated approach for enhanced protein conjugation and capture with viral nanotemplates and hydrogel microparticle platforms via rapid

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

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