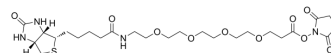


Biotin-PEG4-NHS ester

Cat. No.:	HY-140889
CAS No.:	459426-22-3
Molecular Formula:	C ₂₅ H ₄₀ N ₄ O ₁₀ S
Molecular Weight:	588.67
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	-20°C, sealed storage, away from moisture and light * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (212.34 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.6987 mL	8.4937 mL	16.9874 mL
		5 mM	0.3397 mL	1.6987 mL	3.3975 mL
	10 mM	0.1699 mL	0.8494 mL	1.6987 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: ≥ 2.08 mg/mL (3.53 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.53 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.53 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Biotin-PEG4-NHS ester is a biotin-labeled, PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] .
IC ₅₀ & Target	PEGs
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.

CUSTOMER VALIDATION

- Pharmaceuticals. 2023 Nov 23, 15(12), 2659.

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REFERENCES

[1]. Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

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

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