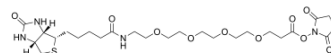


Biotin-PEG4-NHS ester

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 Linker
Pathway:	PROTAC
Storage:	-20°C, protect from light * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (424.69 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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.

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].

IC₅₀ & 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.

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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