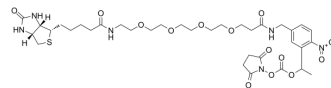


PC-Biotin-PEG4-NHS carbonate

Cat. No.:	HY-140135
CAS No.:	2055198-03-1
Molecular Formula:	C ₃₅ H ₅₀ N ₆ O ₁₄ S
Molecular Weight:	810.87
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Powder -20°C 3 years

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (61.66 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.2332 mL	6.1662 mL	12.3324 mL
	5 mM	0.2466 mL	1.2332 mL	2.4665 mL
	10 mM	0.1233 mL	0.6166 mL	1.2332 mL

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

BIOLOGICAL ACTIVITY

Description

PC-Biotin-PEG4-NHS carbonate is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[1].

IC₅₀ & Target

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^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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

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