

PC Azido-PEG11-NHS carbonate ester

Cat. No.:	HY-140142
Molecular Formula:	C ₄₂ H ₆₈ N ₆ O ₂₁
Molecular Weight:	993.02
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PC Azido-PEG11-NHS carbonate ester is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . PC Azido-PEG11-NHS carbonate ester is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.
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.

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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