

### **Product** Data Sheet

Inhibitors

**Screening Libraries** 

**Proteins** 

## Azido-PEG3-chloroacetamide

Cat. No.: HY-132085 CAS No.: 604766-23-6Molecular Formula:  $C_{10}H_{19}CIN_4O_4$ Molecular Weight: 294.74

Target: PROTAC Linkers

Pathway: PROTAC

Storage: Please store the product under the recommended conditions in the Certificate of

Analysis.

# $Cl \underset{O}{\overset{H}{\longrightarrow}} V \underset{O}{\longrightarrow} O \underset{O}{\longrightarrow} V^{1} N_{+} N_{+}$

### **BIOLOGICAL ACTIVITY**

Description	Azido-PEG3-chloroacetamide is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . Azido-PEG3-chloroacetamide 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 <sub>50</sub> & 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 <sup>[1]</sup> . 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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