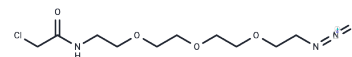


Azido-PEG3-chloroacetamide

Chemical Properties

CAS No. : 604766-23-6
Formula: C₁₀H₁₉ClN₄O₄
Molecular Weight: 294.74
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Azido-PEG3-chloroacetamide is a polyethylene glycol (PEG)-based linker. It serves as a crucial component in the synthesis of proteolysis-targeting chimeras (PROTACs), facilitating efficient conjugation between target protein-recruiting ligands and E3 ubiquitin ligase binders.
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].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3928 mL	16.9641 mL	33.9282 mL
5 mM	0.6786 mL	3.3928 mL	6.7856 mL
10 mM	0.3393 mL	1.6964 mL	3.3928 mL
50 mM	0.0679 mL	0.3393 mL	0.6786 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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