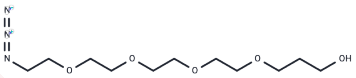
Data Sheet (Cat.No.T14447)

TargetMol

Azido-PEG4-(CH2)3OH

Chemical Properties



CAS No. : 2028281-87-8

Formula: C11H23N3O5

Molecular Weight: 277.32

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Azido-PEG4-(CH2)3OH is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands joined by a linker; one targets an E3 ubiquitin ligase, while the other binds to the target protein. These molecules leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6059 mL	18.0297 mL	36.0594 mL
5 mM	0.7212 mL	3.6059 mL	7.2119 mL
10 mM	0.3606 mL	1.803 mL	3.6059 mL
50 mM	0.0721 mL	0.3606 mL	0.7212 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.

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