Data Sheet (Cat.No.T38580)

TargetMol®
YOUR TARGET MOLECULES

Azido-PEG4-propargyl

Chemical Properties

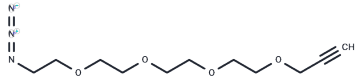
CAS No. : 1192590-91-2

Formula: C11H19N3O4

Molecular Weight: 257.2863

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Azido-PEG4-propargyl is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
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	3.8867 mL	19.4333 mL	38.8666 mL
5 mM	0.7773 mL	3.8867 mL	7.7733 mL
10 mM	0.3887 mL	1.9433 mL	3.8867 mL
50 mM	0.0777 mL	0.3887 mL	0.7773 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

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