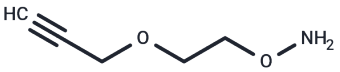
Data Sheet (Cat.No.T14260)

TargetMol

Aminooxy-PEG1-propargyl

Chemical Properties



CAS No. : 1895922-69-6

Formula: C5H9NO2

Molecular Weight: 115.13

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	Aminooxy-PEG1-propargyl is a PEG-based linker for PROTACs, facilitating the combination of two essential ligands crucial for PROTAC molecule formation. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. These molecules leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.6858 mL	43.4292 mL	86.8583 mL
5 mM	1.7372 mL	8.6858 mL	17.3717 mL
10 mM	0.8686 mL	4.3429 mL	8.6858 mL
50 mM	0.1737 mL	0.8686 mL	1.7372 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

Zhang F, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. Bioorg Med Chem. 2020 Jan 1;28(1):115228.

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