

Propargyl-PEG5-Br

Chemical Properties

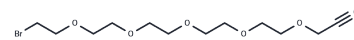
CAS No. : 1287660-83-6

Formula: C13H23BrO5

Molecular Weight: 339.226

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	Propargyl-PEG5-Br is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets a specific protein, allowing PROTACs to utilize the intracellular ubiquitin-proteasome system for selective protein degradation[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9479 mL	14.7393 mL	29.4785 mL
5 mM	0.5896 mL	2.9479 mL	5.8957 mL
10 mM	0.2948 mL	1.4739 mL	2.9479 mL
50 mM	0.059 mL	0.2948 mL	0.5896 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

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-1009.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481