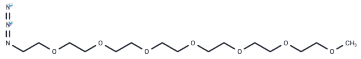
Data Sheet (Cat.No.T15921)

TargetMol

m-PEG7-azide

Chemical Properties



CAS No. : 208987-04-6

Formula: C15H31N3O7

Molecular Weight: 365.42

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	m-PEG7-azide is a PEG-based linker for PROTACs, connecting two essential ligands that are crucial for forming PROTAC molecules. This linker facilitates selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize two distinct ligands connected by a linker: one binds to an E3 ubiquitin ligase and the other to the target protein. They exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7366 mL	13.6829 mL	27.3658 mL
5 mM	0.5473 mL	2.7366 mL	5.4732 mL
10 mM	0.2737 mL	1.3683 mL	2.7366 mL
50 mM	0.0547 mL	0.2737 mL	0.5473 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

Lepage ML, et al. Design, synthesis and photochemical properties of the first examples of iminosugar clustersbased on fluorescent cores. Beilstein J Org Chem. 2015 May 6;11:659-67.

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