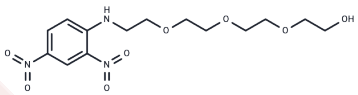
Data Sheet (Cat.No.T15153)

TargetMol

DNP-PEG4-alcohol

Chemical Properties



CAS No. : 1807520-99-5

Formula: C14H21N3O8

Molecular Weight: 359.33

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	DNP-PEG4-alcohol is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by joining two essential ligands, thereby enabling selective protein degradation through 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 binds to an E3 ubiquitin ligase, and the other targets the specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.783 mL	13.9148 mL	27.8296 mL
5 mM	0.5566 mL	2.783 mL	5.5659 mL
10 mM	0.2783 mL	1.3915 mL	2.783 mL
50 mM	0.0557 mL	0.2783 mL	0.5566 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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