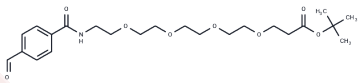
Data Sheet (Cat.No.T14167)

TargetMol

Ald-Ph-PEG4-Boc

Chemical Properties



CAS No. : 1807518-64-4

Formula: C23H35NO8

Molecular Weight: 453.53

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	Ald-Ph-PEG4-Boc is a PEG-based linker for PROTACs which joins two essential ligands crucial for forming PROTAC molecules, and Ald-Ph-PEG4-Boc enables targeted protein degradation through the ubiquitin-proteasome system by facilitating effective ternary complex formation, thus advancing the design, optimization, and mechanistic study of next-generation protein degradation therapeutics in chemical biology and drug discovery workflows.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase and the other targets the desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade specific proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2049 mL	11.0246 mL	22.0493 mL
5 mM	0.441 mL	2.2049 mL	4.4099 mL
10 mM	0.2205 mL	1.1025 mL	2.2049 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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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