Data Sheet (Cat.No.T18129)

TargetMol

m-PEG11-OH

Chemical Properties

CAS No. : 2168540-65-4

Formula: C23H48O12

Molecular Weight: 516.62

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-PEG11-OH is a PEG-based linker for PROTACs, facilitating the joining of 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 ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9357 mL	9.6783 mL	19.3566 mL
5 mM	0.3871 mL	1.9357 mL	3.8713 mL
10 mM	0.1936 mL	0.9678 mL	1.9357 mL
50 mM	0.0387 mL	0.1936 mL	0.3871 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

Das A, et al. Consequences of Dispersity on the Self-Assembly of ABA-Type Amphiphilic Block Co-Oligomers. ACS Macro Lett. 2018 May 15;7(5):546-550.

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