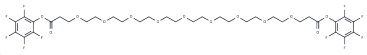
Data Sheet (Cat.No.T17631)

TargetMol

Bis-PEG9-PFP ester

Chemical Properties



CAS No. : 1334170-00-1

Formula: C34H40F10O13

Molecular Weight: 846.66

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	Bis-PEG9-PFP ester is a PEG-based linker for PROTACs [which 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, while 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	1.1811 mL	5.9056 mL	11.8111 mL
5 mM	0.2362 mL	1.1811 mL	2.3622 mL
10 mM	0.1181 mL	0.5906 mL	1.1811 mL
50 mM	0.0236 mL	0.1181 mL	0.2362 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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