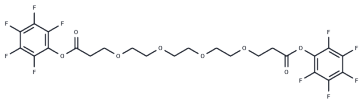
Data Sheet (Cat.No.T14640)

TargetMol
YOUR TARGET MOLECULES

Bis-PEG4-PFP ester

Chemical Properties



CAS No. : 1314378-12-5

Formula: C24H20F10O8

Molecular Weight: 626.39

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Bis-PEG4-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
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5964 mL	7.9822 mL	15.9645 mL
5 mM	0.3193 mL	1.5964 mL	3.1929 mL
10 mM	0.1596 mL	0.7982 mL	1.5964 mL
50 mM	0.0319 mL	0.1596 mL	0.3193 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.

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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