

DBCO-PEG4-PFP ester

Chemical Properties

CAS No. : 2182601-19-8

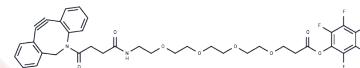
Formula: C₃₆H₃₅F₅N₂O₈

Molecular Weight: 718.66

Keep away from direct sunlight

Storage: 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	DBCO-PEG4-PFP ester is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two distinct ligands connected by a linker, target the intracellular ubiquitin-proteasome system to selectively degrade proteins. One ligand binds to an E3 ubiquitin ligase, while the other targets the specific protein [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3915 mL	6.9574 mL	13.9148 mL
5 mM	0.2783 mL	1.3915 mL	2.783 mL
10 mM	0.1391 mL	0.6957 mL	1.3915 mL
50 mM	0.0278 mL	0.1391 mL	0.2783 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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