

Azido-PEG5-CH2CO2-PFP

Chemical Properties

CAS No. : 2144777-92-2

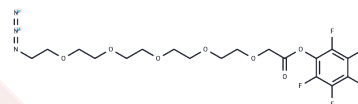
Formula: C18H22F5N3O7

Molecular Weight: 487.38

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	Azido-PEG5-CH2CO2-PFP is a polyethylene glycol (PEG) and Alkyl/ether-based linker compound, essential for synthesizing proteolysis-targeting chimeras (PROTACs), which are used for targeted protein degradation[1].
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 desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0518 mL	10.2589 mL	20.5179 mL
5 mM	0.4104 mL	2.0518 mL	4.1036 mL
10 mM	0.2052 mL	1.0259 mL	2.0518 mL
50 mM	0.041 mL	0.2052 mL	0.4104 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

Zhang F, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. *Bioorg Med Chem.* 2020 Jan 1;28(1):115228.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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