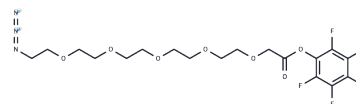


Azido-PEG5-CH₂CO₂-PFP

Chemical Properties

CAS No. :	2144777-92-2
Formula:	C ₁₈ H ₂₂ F ₅ N ₃ O ₇
Molecular Weight:	487.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Azido-PEG5-CH ₂ CO ₂ -PFP is a polyethylene glycol (PEG) and Alkyl/ether-based linker compound. It serves as a key component in the synthesis of proteolysis-targeting chimeras (PROTACs), a class of molecules used for targeted protein degradation[1].
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	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.

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.

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