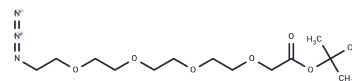


Azido-PEG4-CH2-Boc

Chemical Properties

CAS No. :	864681-04-9
Formula:	C14H27N3O6
Molecular Weight:	333.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Azido-PEG4-CH2-Boc is a four-unit cleavable polyethylene glycol (PEG) linker compound employed in the synthesis of antibody-drug conjugates (ADCs)[1] and PROTACs[2]. This linker is characterized by its azide functional group and PEG backbone, facilitating the conjugation of drugs to antibodies in ADC development and enabling the synthesis of PROTACs utilizing PEG and alkyl/ether moieties.
Targets(IC50)	Others
In vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. 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[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9996 mL	14.9979 mL	29.9958 mL
5 mM	0.5999 mL	2.9996 mL	5.9992 mL
10 mM	0.300 mL	1.4998 mL	2.9996 mL
50 mM	0.060 mL	0.300 mL	0.5999 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

- Shiladitya Sengupta, et al. Targeted drug delivery through affinity based linkers. WO2015148126A1.
Zhang F, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative

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