

Azido-PEG4-Val-Cit-PAB-OH

Chemical Properties

CAS No. : 2055024-64-9

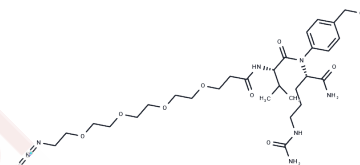
Formula: C29H48N8O9

Molecular Weight: 652.75

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-PEG4-Val-Cit-PAB-OH is a 4-unit PEG ADC linker and a PEG-based PROTAC linker used in the synthesis of antibody-drug conjugates (ADCs)[1] and PROTACs[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody linked to an ADC cytotoxin via an ADC linker[1]. PROTACs feature two distinct ligands connected by a linker, one binding to an E3 ubiquitin ligase and the other to the target protein, leveraging the ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.532 mL	7.6599 mL	15.3198 mL
5 mM	0.3064 mL	1.532 mL	3.064 mL
10 mM	0.1532 mL	0.766 mL	1.532 mL
50 mM	0.0306 mL	0.1532 mL	0.3064 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

Dan N, et al. Antibody-Drug Conjugates for Cancer Therapy: Chemistry to Clinical Implications. Pharmaceuticals (Basel). 2018 Apr 9;11(2). pii: E32.

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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