

Azido-PEG3-Val-Cit-PAB-PNP

Chemical Properties

CAS No. : 2055047-18-0

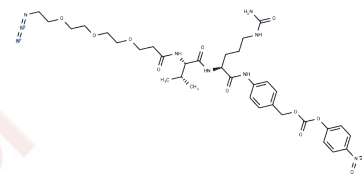
Formula: C34H47N9O12

Molecular Weight: 773.801

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-PEG3-Val-Cit-PAB-PNP is a cleavable 3-unit PEG ADC linker used for synthesizing antibody-drug conjugates (ADCs) [1] and also functions as a PEG-based PROTAC linker for PROTAC synthesis [2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody attached to an ADC cytotoxin via an ADC linker[1]. PROTACs feature two ligands joined by a linker—one for an E3 ubiquitin ligase and the other for the target protein, utilizing the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2923 mL	6.4616 mL	12.9232 mL
5 mM	0.2585 mL	1.2923 mL	2.5846 mL
10 mM	0.1292 mL	0.6462 mL	1.2923 mL
50 mM	0.0258 mL	0.1292 mL	0.2585 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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