

BCN-PEG3-Val-Cit

Chemical Properties

CAS No. :

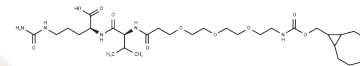
Formula: C₃₁H₅₁N₅O₁₀

Molecular Weight: 653.76

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	BCN-PEG3-Val-Cit is a PEG-based linker widely used in PROTAC synthesis[1] and as a cleavable 3-unit PEG linker in the production of antibody-drug conjugates (ADCs)[2].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins by connecting a ligand for an E3 ubiquitin ligase and a ligand for the target protein through a linker. ADCs consist of an antibody attached to an ADC cytotoxin via an ADC linker[1][2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5296 mL	7.6481 mL	15.2961 mL
5 mM	0.3059 mL	1.5296 mL	3.0592 mL
10 mM	0.153 mL	0.7648 mL	1.5296 mL
50 mM	0.0306 mL	0.153 mL	0.3059 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

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.

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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