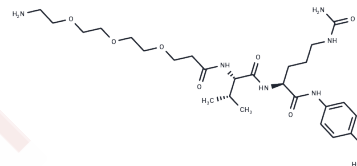


NH2-PEG3-Val-Cit-PAB-OH

Chemical Properties

CAS No. :	2055024-62-7
Formula:	C27H46N6O8
Molecular Weight:	582.69
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	NH2-PEG3-Val-Cit-PAB-OH is a cleavable ADC (antibody-drug conjugate) linker characterized by a primary amine, a hydrophilic PEG spacer, a Val-Cit dipeptide, and a PAB group. The benzyl alcohol on PAB facilitates conjugation with reactive groups like PNP, enabling attachment to drug payloads. The primary amine readily participates in various reactions such as coupling with carboxylic acids, reductive amination with ketones or aldehydes, and other specialized applications like SNAr reactions or heterocyclic chemistry. The Val-Cit dipeptide is cleaved by intracellular proteases, allowing efficient payload delivery through an elimination mechanism within the PAB structure.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7162 mL	8.5809 mL	17.1618 mL
5 mM	0.3432 mL	1.7162 mL	3.4324 mL
10 mM	0.1716 mL	0.8581 mL	1.7162 mL
50 mM	0.0343 mL	0.1716 mL	0.3432 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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