

MC-Val-Ala-PAB-PNP

Chemical Properties

CAS No. : 1639939-40-4

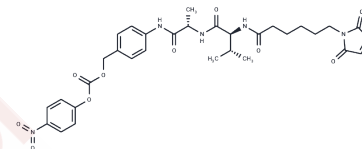
Formula: C32H37N5O10

Molecular Weight: 651.66

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	MC-Val-Ala-PAB-PNP is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs).
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody attached to an ADC cytotoxin through an ADC linker.

Solubility Information

Solubility	DMSO: 50 mg/mL (76.73 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.07 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5345 mL	7.6727 mL	15.3454 mL
5 mM	0.3069 mL	1.5345 mL	3.0691 mL
10 mM	0.1535 mL	0.7673 mL	1.5345 mL
50 mM	0.0307 mL	0.1535 mL	0.3069 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

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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