

## MC-Val-Cit-PAB-dimethylDNA31

## Chemical Properties

CAS No. : 1639352-06-9

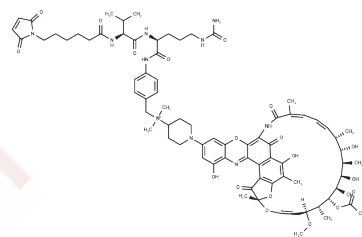
Formula: C78H101N10O19

Molecular Weight: 1482.69

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-Cit-PAB-dimethylDNA31 is a drug-linker conjugate employed in antibody-drug conjugates (ADCs) that exhibits robust antitumor efficacy. This conjugate utilizes the ADC linker, MC-Val-Cit-PAB, to connect with the potent antitumor agent dimethylDNA31, which also demonstrates significant bactericidal activity against both persister and stationary-phase [ <i>Staphylococcus aureus</i> ].
Targets(IC50)	Drug-Linker Conjugates for ADC, PROTAC Linker

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6744 mL	3.3722 mL	6.7445 mL
5 mM	0.1349 mL	0.6744 mL	1.3489 mL
10 mM	0.0674 mL	0.3372 mL	0.6744 mL
50 mM	0.0135 mL	0.0674 mL	0.1349 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

Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. *Nat Chem.* 2016 Dec;8(12):1112-1119.

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