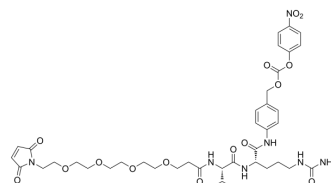


## Mal-PEG4-Val-Cit-PAB-PNP

Cat. No.:	HY-140145
CAS No.:	2112738-09-5
Molecular Formula:	C <sub>40</sub> H <sub>53</sub> N <sub>7</sub> O <sub>15</sub>
Molecular Weight:	871.89
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (114.69 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.1469 mL	5.7347 mL	11.4693 mL
		5 mM	0.2294 mL	1.1469 mL	2.2939 mL
	10 mM	0.1147 mL	0.5735 mL	1.1469 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.39 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (2.39 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Mal-PEG4-Val-Cit-PAB-PNP is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .	
IC <sub>50</sub> & Target	Protease Cleavable	Cleavable
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

**Caution: Product has not been fully validated for medical applications. For research use only.**

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