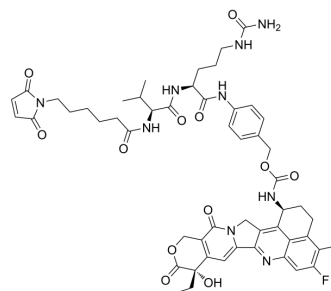


MC-Val-Cit-PAB-Exatecan

Cat. No.:	HY-145929
CAS No.:	2504068-28-2
Molecular Formula:	C ₅₃ H ₆₀ FN ₉ O ₁₂
Molecular Weight:	1034.1
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (48.35 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	0.9670 mL	4.8351 mL	9.6702 mL
		5 mM	0.1934 mL	0.9670 mL	1.9340 mL
	10 mM	0.0967 mL	0.4835 mL	0.9670 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: ≥ 1.25 mg/mL (1.21 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 1.25 mg/mL (1.21 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	MC-Val-Cit-PAB-Exatecan (MC-Val-Cit-PAB-DX8951) is a agent-linker conjugate for ADC. MC-Val-Cit-PAB-Exatecan is composed of a DNA topoisomerase I DX-8951 (HY-13631) and a cathepsin cleavable ADC linker.
IC₅₀ & Target	Camptothecins
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[1] . 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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