## MC-Val-Cit-PAB-Exatecan

Cat. No.:	HY-145929	
CAS No.:	2504068-28-2	
Molecular Formula:	C <sub>53</sub> H <sub>60</sub> FN <sub>9</sub> O <sub>12</sub>	NN-
Molecular Weight:	1034.1	J.
Target:	Drug-Linker Conjugates for ADC; Topoisomerase	
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage	
Storage:	<b>4°C, sealed storage, away from moisture</b> * 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)						
	Preparing Stock Solutions	Solvent Mass Concentration	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 so	lubility information to select the app	propriate solvent.				
In Vivo	<ol> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: ≥ 1.25 mg/mL (1.21 mM); Clear solution</li> </ol>						
	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.			
IC <sub>50</sub> & Target	Camptothecins			
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

# Product Data Sheet

O ↓ NH<sub>2</sub>



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

 Tel: 609-228-6898
 Fax: 609-228-5909
 E-mail: tech@MedChemExpress.com

 Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA