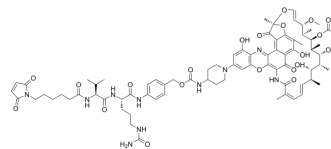


MC-VC-PABC-DNA31

Cat. No.:	HY-128897
CAS No.:	1639352-03-6
Molecular Formula:	C ₇₇ H ₉₆ N ₁₀ O ₂₁
Molecular Weight:	1497.64
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (33.39 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	0.6677 mL	3.3386 mL	6.6772 mL
		5 mM	0.1335 mL	0.6677 mL	1.3354 mL
	10 mM	0.0668 mL	0.3339 mL	0.6677 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: 3 mg/mL (2.00 mM); Clear solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 3 mg/mL (2.00 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	MC-VC-PABC-DNA31 is a agent-linker conjugate for ADC with potent antitumor activity by using DNA31 (a potent RNA polymerase inhibitor), linked via the ADC linker MC-VC-PABC.
IC₅₀ & Target	Traditional Cytotoxic Agents

REFERENCES

[1]. 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.

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

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