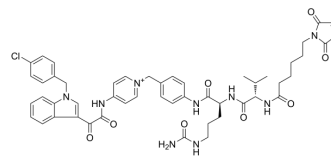


MC-Val-Cit-PAB-Indibulin

Cat. No.:	HY-128908
CAS No.:	2055896-95-0
Molecular Formula:	C ₅₀ H ₅₅ ClN ₉ O ₈
Molecular Weight:	945.48
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°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 : 125 mg/mL (132.21 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions	1 mM	1 mg	5 mg	10 mg
		5 mM	1.0577 mL	5.2883 mL	10.5766 mL
		10 mM	0.2115 mL	1.0577 mL	2.1153 mL
	10 mM	0.1058 mL	0.5288 mL	1.0577 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: ≥ 2.25 mg/mL (2.38 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	MC-Val-Cit-PAB-Indibulin is a agent-linker conjugate for ADC with potent antitumor activity by using Indibulin (an orally applicable inhibitor of tubulin assembly), linked via the ADC linker MC-Val-Cit-PAB.
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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