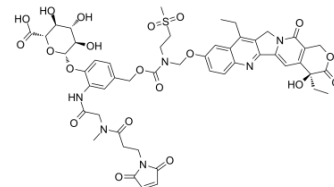


MAC glucuronide phenol-linked SN-38

Cat. No.:	HY-128943
CAS No.:	2246380-69-6
Molecular Formula:	C ₅₀ H ₅₄ N ₆ O ₂₀ S
Molecular Weight:	1091.06
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (183.31 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	0.9165 mL	4.5827 mL	9.1654 mL
	5 mM	0.1833 mL	0.9165 mL	1.8331 mL
	10 mM	0.0917 mL	0.4583 mL	0.9165 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: ≥ 5 mg/mL (4.58 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (4.58 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	MAC glucuronide phenol-linked SN-38 is a pH-susceptible lactone MAC glucuronide phenol-linked SN-38 (DNA topoisomerase I inhibitor) drug linker. MAC glucuronide phenol-linked SN-38 is cytotoxic across L540cy cells and Ramos cells with IC ₅₀ values of 113 and 67 ng/mL, respectively ^[1] .
IC₅₀ & Target	Camptothecins

REFERENCES

[1]. Lau UY, et al. Lactone Stabilization is Not a Necessary Feature for Antibody Conjugates of Camptothecins. Mol Pharm. 2018 Sep 4;15(9):4063-4072.

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

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