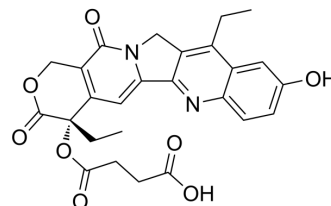


SN38-COOH

Cat. No.:	HY-153013		
CAS No.:	2170118-23-5		
Molecular Formula:	C ₂₆ H ₂₄ N ₂ O ₈		
Molecular Weight:	492.48		
Target:	Drug-Linker Conjugates for ADC		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (203.05 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.0305 mL	10.1527 mL	20.3054 mL
	5 mM		0.4061 mL	2.0305 mL	4.0611 mL	
	10 mM		0.2031 mL	1.0153 mL	2.0305 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: 2.5 mg/mL (5.08 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	SN38-COOH is used for the synthesis of antibody-drug conjugates (ADCs). SN-38 is an active metabolite of the Topoisomerase I inhibitor Irinotecan. SN-38 inhibits DNA and RNA synthesis ^{[1][2]} .
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REFERENCES

[1]. Wilson Lim, et al. Addressing the most neglected diseases through an open research model: The discovery of fenarimols as novel drug candidates for eumycetoma. PLoS Negl Trop Dis. 2018 Apr 26;12(4):e0006437.

[2]. Wallin A, et al. Anticancer effect of SN-38 on colon cancer cell lines with different metastatic potential. Oncol Rep. 2008 Jun;19(6):1493-8.

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

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