CL2E-SN38 TFA

MedChemExpress

Cat. No.:	HY-139909A	
Molecular Formula:	C ₈₉ H ₁₁₇ F ₃ N ₁₄ O ₂₆	
Molecular Weight:	1855.95	
Target:	Drug-Linker Conjugates for ADC	for the new concernent of the form for
Pathway:	Antibody-drug Conjugate/ADC Related	
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)	Ston Gen

SOLVENT & SOLUBILITY

DMSO : 100 mg/mL (5	DMSO : 100 mg/mL (53.88 mM; Need ultrasonic)			
Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	0.5388 mL	2.6940 mL	5.3881 mL
	5 mM	0.1078 mL	0.5388 mL	1.0776 mL
	10 mM	0.0539 mL	0.2694 mL	0.5388 mL
Please refer to the solubility information to select the appropriate solvent.				
 Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.35 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (1.35 mM); Clear solution 				
	Preparing Stock Solutions Please refer to the so 1. Add each solvent Solubility: ≥ 2.5 m 2. Add each solvent	Preparing Solvent Stock Solutions 1 mM 5 mM 10 mM Please refer to the solubility information to select the ap 1. Add each solvent one by one: 10% DMSO >> 40% PEt Solubility: ≥ 2.5 mg/mL (1.35 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% cord	Solvent Mass Preparing 1 mM Stock Solutions 1 mM 5 mM 0.1078 mL 10 mM 0.0539 mL Please refer to the solubility information to select the appropriate solvent. 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 Solubility: ≥ 2.5 mg/mL (1.35 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil	Solvent Mass 1 mg 5 mg Preparing 1 mM 0.5388 mL 2.6940 mL Stock Solutions 5 mM 0.1078 mL 0.5388 mL 10 mM 0.0539 mL 0.2694 mL Please refer to the solubility information to select the appropriate solvent. 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (1.35 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil

BIOLOGICAL ACTIVITY Description CL2E-SN-38 TFA, a highly releasable and structurally stable antibody-SN-38-conjugate, is a part of the antibody drug conjugate (ADC). SN-38, the active metabolite of Irinotecan from camptothecins, is an Topoisomerase I inhibitor^[1].

REFERENCES

[1]. Lianqi Liu, et al. Synthesis and evaluation of highly releasable and structurally stable antibody-SN-38-conjugates. Drug Deliv. 2021 Dec;28(1):2603-2617.

Product Data Sheet

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