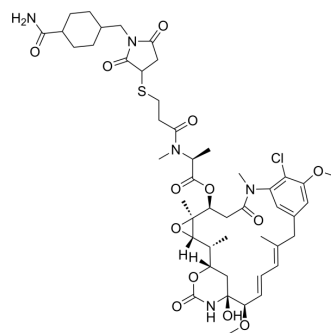


MCC-DM1

Cat. No.:	HY-132250
CAS No.:	1100692-14-5
Molecular Formula:	C ₄₇ H ₆₄ ClN ₅ O ₁₃ S
Molecular Weight:	974.55
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 : 190 mg/mL (194.96 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
1 mM			1.0261 mL	5.1306 mL	10.2611 mL
5 mM			0.2052 mL	1.0261 mL	2.0522 mL
10 mM			0.1026 mL	0.5131 mL	1.0261 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 4.75 mg/mL (4.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 4.75 mg/mL (4.87 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 4.75 mg/mL (4.87 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

MCC-DM1 is a agent-Linker Conjugates for ADC such as Anti-CD22-MCC-DM1. MCC-DM1 can be detected in rat and human plasma, feces, and other tissues^{[1][2]}.

REFERENCES

- [1]. Liu Y, et al. LC-MS/MS method for the simultaneous determination of Lys-MCC-DM1, MCC-DM1 and DM1 as potential intracellular catabolites of the antibody-drug conjugate trastuzumab emtansine (T-DM1). J Pharm Biomed Anal. 2017 Apr 15;137:170-177.

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