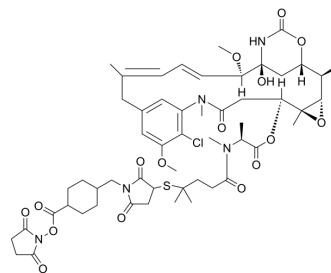


DM4-SMCC

Cat. No.:	HY-126494		
CAS No.:	1228105-52-9		
Molecular Formula:	C ₅₄ H ₇₂ ClN ₅ O ₁₆ S		
Molecular Weight:	1114.69		
Target:	Drug-Linker Conjugates for ADC		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (112.14 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	0.8971 mL	4.4856 mL	8.9711 mL
	5 mM	0.1794 mL	0.8971 mL	1.7942 mL
	10 mM	0.0897 mL	0.4486 mL	0.8971 mL

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

BIOLOGICAL ACTIVITY

Description

DM4-SMCC is a agent-linker conjugate for ADC with antitumor activity by using DM4 (an antitubulin agent), linked via the non-cleavable SMCC linker^[1].

IC₅₀ & Target

Maytansinoids

REFERENCES

[1]. Singh R, et al. A New Triglycyl Peptide Linker for Antibody-Drug Conjugates (ADCs) with Improved Targeted Killing of Cancer Cells. Mol Cancer Ther. 2016 Jun;15(6):1311-20.

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

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