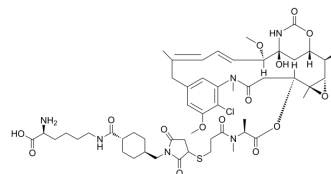


(Rac)-Lys-SMCC-DM1

Cat. No.:	HY-101982A
Molecular Formula:	C ₅₃ H ₇₅ ClN ₆ O ₁₅ S
Molecular Weight:	1103.71
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 : 50 mg/mL (45.30 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		0.9060 mL	4.5302 mL	9.0604 mL
		5 mM		0.1812 mL	0.9060 mL	1.8121 mL
10 mM		0.0906 mL	0.4530 mL	0.9060 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (1.13 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	(Rac)-Lys-SMCC-DM1 ((Rac)-Lys-Nε-MCC-DM1) is the racemate of Lys-SMCC-DM1 (HY-101982). Lys-SMCC-DM1 is a linker-payload component that has the potential to inhibit tubulin polymerization. Lys-SMCC-DM1 is the active metabolite of T-DM1 ^[1] .
IC₅₀ & Target	Maytansinoids

REFERENCES

[1]. Ogitani Y, et al. Bystander killing effect of DS-8201a, a novel anti-human epidermal growth factor receptor 2 antibody-drug conjugate, in tumors with human epidermal growth factor receptor 2 heterogeneity. *Cancer Sci.* 2016 Jul;107(7):1039-46.

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

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