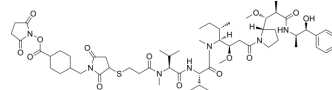


## MMAE-SMCC

<b>Cat. No.:</b>	HY-135660
<b>CAS No.:</b>	2021179-11-1
<b>Molecular Formula:</b>	C <sub>58</sub> H <sub>89</sub> N <sub>7</sub> O <sub>14</sub> S
<b>Molecular Weight:</b>	1140.43
<b>Target:</b>	Drug-Linker Conjugates for ADC
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	-20°C, protect from light, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (87.69 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	0.8769 mL	4.3843 mL	8.7686 mL
		5 mM	0.1754 mL	0.8769 mL	1.7537 mL
	10 mM	0.0877 mL	0.4384 mL	0.8769 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.19 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.19 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.19 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	MMAE-SMCC is a agent-linker conjugate for ADC. MMAE-SMCC is composed of a potent mitotic and a tubulin inhibitor MMAE and a linker SMCC to make antibody agent conjugate.
<b>IC<sub>50</sub> &amp; Target</b>	Auristatin

### REFERENCES

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[1]. Tang F, et al. One-pot N-glycosylation remodeling of IgG with non-natural sialylglycopeptides enables glycosite-specific and dual-payload antibody-drug conjugates. *Org Biomol Chem*. 2016 Oct 12;14(40):9501-9518.

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

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