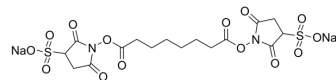


## BS3 Crosslinker disodium

<b>Cat. No.:</b>	HY-124329A
<b>CAS No.:</b>	127634-19-9
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>18</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>14</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	572.43
<b>Target:</b>	ADC Linker
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	-20°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

<b>In Vitro</b>	DMSO : 125 mg/mL (218.37 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	1.7469 mL	8.7347 mL	17.4694 mL
		5 mM	0.3494 mL	1.7469 mL	3.4939 mL
	10 mM	0.1747 mL	0.8735 mL	1.7469 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: ≥ 2.08 mg/mL (3.63 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.63 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.63 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	BS3 Crosslinker disodium is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Non-cleavable
<b>In Vitro</b>	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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