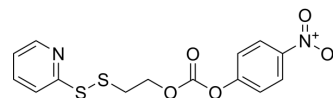


## PDEC-NB

<b>Cat. No.:</b>	HY-126498		
<b>CAS No.:</b>	874302-76-8		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub> O <sub>5</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	352.39		
<b>Target:</b>	ADC Linker		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (283.77 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	2.8377 mL	14.1887 mL	28.3774 mL
	<b>5 mM</b>	0.5675 mL	2.8377 mL	5.6755 mL
	<b>10 mM</b>	0.2838 mL	1.4189 mL	2.8377 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: 2.5 mg/mL (7.09 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.09 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (7.09 mM); Clear solution</li> </ol>			

## BIOLOGICAL ACTIVITY

<b>Description</b>	PDEC-NB is a disulfide cleavable linker used for the antibody-drug conjugate (ADC).	
<b>IC<sub>50</sub> &amp; Target</b>	Disulfide Cleavable Linker	Cleavable Linker
<b>In Vitro</b>	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. 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]. Chunguang Ren et al. A kind of reduction response type cancer target polypeptide drugs conjugate and its preparation method and application. CN110314237A

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

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