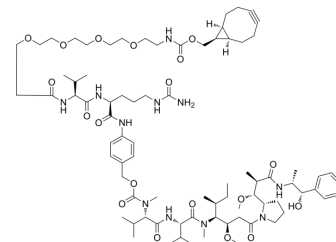


## endo-BCN-PEG4-Val-Cit-PAB-MMAE

<b>Cat. No.:</b>	HY-141155
<b>CAS No.:</b>	2762519-08-2
<b>Molecular Formula:</b>	C <sub>80</sub> H <sub>127</sub> N <sub>11</sub> O <sub>19</sub>
<b>Molecular Weight:</b>	1546.93
<b>Target:</b>	Drug-Linker Conjugates for ADC
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	4°C, stored under nitrogen

\* The compound is unstable in solutions, freshly prepared is recommended.



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 200 mg/mL (129.29 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent Concentration</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>		0.6464 mL	3.2322 mL	6.4644 mL
		<b>5 mM</b>		0.1293 mL	0.6464 mL	1.2929 mL
		<b>10 mM</b>		0.0646 mL	0.3232 mL	0.6464 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: 5 mg/mL (3.23 mM); Clear solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (3.23 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: 5 mg/mL (3.23 mM); Suspended solution; Need ultrasonic</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	endo-BCN-PEG4-Val-Cit-PAB-MMAE is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> . endo-BCN-PEG4-Val-Cit-PAB-MMAE is a click chemistry reagent, it contains a BCN group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.
<b>IC<sub>50</sub> &amp; Target</b>	Cleavable Linker
<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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