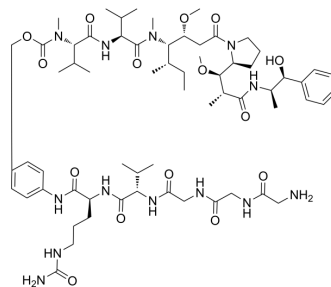


## Gly3-VC-PAB-MMAE

<b>Cat. No.:</b>	HY-131056
<b>CAS No.:</b>	2684216-48-4
<b>Molecular Formula:</b>	C <sub>64</sub> H <sub>103</sub> N <sub>13</sub> O <sub>15</sub>
<b>Molecular Weight:</b>	1294.58
<b>Target:</b>	Drug-Linker Conjugates for ADC
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	Powder    -20°C    3 years 4°C        2 years



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

### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (77.25 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	0.7725 mL	3.8623 mL	7.7245 mL
		5 mM	0.1545 mL	0.7725 mL	1.5449 mL
		10 mM	0.0772 mL	0.3862 mL	0.7725 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 (3.86 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (3.86 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 2.5 mg/mL (1.93 mM); Clear solution</li> </ol>				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Gly3-VC-PAB-MMAE consists a cleavable ADC linker (Gly3-VC-PAB) and a potent tubulin inhibitor (MMAE). Gly3-VC-PAB-MMAE can be used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Auristatin
<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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