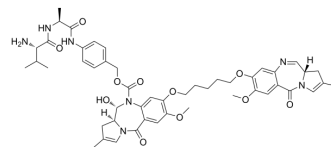


## SG3199-Val-Ala-PAB

<b>Cat. No.:</b>	HY-101152
<b>CAS No.:</b>	1595275-61-8
<b>Molecular Formula:</b>	C <sub>49</sub> H <sub>59</sub> N <sub>7</sub> O <sub>11</sub>
<b>Molecular Weight:</b>	922.03
<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 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 130 mg/mL (140.99 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	<b>Preparing Stock Solutions</b>	1 mM	1.0846 mL	5.4228 mL	10.8456 mL
		5 mM	0.2169 mL	1.0846 mL	2.1691 mL
10 mM		0.1085 mL	0.5423 mL	1.0846 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: ≥ 3.25 mg/mL (3.52 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 3.25 mg/mL (3.52 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	SG3199-Val-Ala-PAB is an intermediate of Tesirine synthesis. Tesirine is a agent-linker conjugate for ADC which can be used for the research of several cancers <sup>[1]</sup> .
<b>In Vitro</b>	SG3199-Val-Ala-PAB is an intermediate in in the synthesis of Tesirine, an antibody-drug conjugate pyrrolobenzodiazepine dimer payload <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

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[1]. Tiberghien AC, et, al. Design and Synthesis of Tesirine, a Clinical Antibody-Drug Conjugate Pyrrolbenzodiazepine Dimer Payload. ACS Med Chem Lett. 2016 May 24;7(11):983-987.

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

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