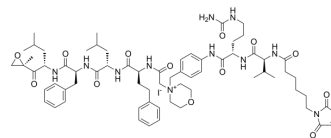


## MC-Val-Cit-PAB-carfilzomib iodide

<b>Cat. No.:</b>	HY-128903
<b>CAS No.:</b>	2055896-83-6
<b>Molecular Formula:</b>	C <sub>68</sub> H <sub>96</sub> IN <sub>11</sub> O <sub>13</sub>
<b>Molecular Weight:</b>	1402.46
<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

#### In Vitro

DMSO : 230 mg/mL (164.00 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	0.7130 mL	3.5652 mL	7.1303 mL
5 mM	0.1426 mL	0.7130 mL	1.4261 mL
10 mM	0.0713 mL	0.3565 mL	0.7130 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

MC-Val-Cit-PAB-carfilzomib iodide is a agent-linker conjugate for ADC with potent antitumor activity by using carfilzomib (an irreversible proteasome inhibitor), linked via the ADC linker MC-Val-Cit-PAB.

#### IC<sub>50</sub> & Target

Traditional Cytotoxic Agents

### REFERENCES

[1]. Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. Nat Chem. 2016 Dec;8(12):1112-1119.

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

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