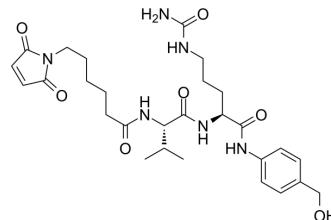


MC-Val-Cit-PAB

Cat. No.:	HY-78738
CAS No.:	159857-80-4
Molecular Formula:	C ₂₈ H ₄₀ N ₆ O ₇
Molecular Weight:	572.65
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°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 : 100 mg/mL (174.63 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>1.7463 mL</td> <td>8.7313 mL</td> <td>17.4627 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3493 mL</td> <td>1.7463 mL</td> <td>3.4925 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1746 mL</td> <td>0.8731 mL</td> <td>1.7463 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.7463 mL	8.7313 mL	17.4627 mL	5 mM	0.3493 mL	1.7463 mL	3.4925 mL	10 mM	0.1746 mL	0.8731 mL	1.7463 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5.5 mg/mL (9.60 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5.5 mg/mL (9.60 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5.5 mg/mL (9.60 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	MC-Val-Cit-PAB is an intermediate in the synthesis of VcMMAE (HY-15575), which is a Drug-Linker Conjugates for ADC. Monomethyl auristatin E can be used to inhibit Microtubule/Tubulin as ADC Cytotoxin.	
IC₅₀ & Target	Protease Cleavable Linker	Cleavable Linker

REFERENCES

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

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