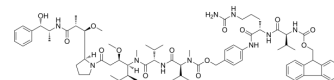


Fmoc-Val-Cit-PAB-MMAE

Cat. No.:	HY-19811
CAS No.:	1350456-56-2
Molecular Formula:	C ₇₃ H ₁₀₄ N ₁₀ O ₁₄
Molecular Weight:	1345.67
Target:	Drug-Linker Conjugates for ADC; Microtubule/Tubulin
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	4°C, stored under nitrogen

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 30 mg/mL (22.29 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	0.7431 mL	3.7156 mL	7.4312 mL
	5 mM	0.1486 mL	0.7431 mL	1.4862 mL
	10 mM	0.0743 mL	0.3716 mL	0.7431 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: 5.5 mg/mL (4.09 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: 5.5 mg/mL (4.09 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 5.5 mg/mL (4.09 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fmoc-Val-Cit-PAB-MMAE consists the ADCs linker (Fmoc-Val-Cit-PAB) and potent tubulin inhibitor (MMAE). Fmoc-Val-Cit-PAB-MMAE is a agent-linker conjugate for ADC.

IC₅₀ & Target

Auristatin

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

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