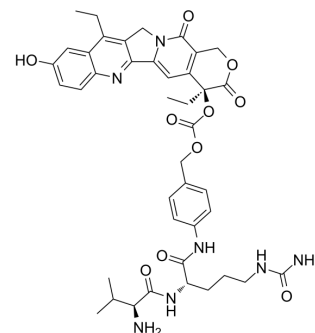


PH-HG-005-5

Cat. No.:	HY-153395
CAS No.:	2810895-93-1
Molecular Formula:	C ₄₁ H ₄₇ N ₇ O ₁₀
Molecular Weight:	797.85
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 150 mg/mL (188.01 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.2534 mL	6.2668 mL	12.5337 mL
		5 mM	0.2507 mL	1.2534 mL	2.5067 mL
	10 mM	0.1253 mL	0.6267 mL	1.2534 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 3.75 mg/mL (4.70 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	PH-HG-005-5 (compound 16c) is a derivative of SN-38 (HY-13704) and can be used as Drug-Linker Conjugates for ADC. PH-HG-005-5 can conjugate to targeting peptides for ADCs synthesis ^[1] .
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REFERENCES

[1]. Chen Jian, et al. EphA2 bicyclic peptide ligand and conjugate thereof. World Intellectual Property Organization, WO2023061482 A1. 2023-04-20.

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

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