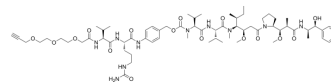


Acetylene-linker-Val-Cit-PABC-MMAE

Cat. No.:	HY-19812
CAS No.:	1411977-95-1
Molecular Formula:	C ₆₇ H ₁₀₆ N ₁₀ O ₁₆
Molecular Weight:	1307.62
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen

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



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (38.24 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	0.7647 mL	3.8237 mL	7.6475 mL
		5 mM	0.1529 mL	0.7647 mL	1.5295 mL
	10 mM	0.0765 mL	0.3824 mL	0.7647 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: ≥ 1.25 mg/mL (0.96 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (0.96 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (0.96 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Acetylene-linker-Val-Cit-PABC-MMAE (LCB14-0602) consists the ADCs linker (Acetylene-linker-Val-Cit-PABC) and potent tubulin inhibitor (MMAE). Acetylene-linker-Val-Cit-PABC-MMAE (LCB14-0602) is a agent-linker conjugate for ADC. Acetylene-linker-Val-Cit-PABC-MMAE is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
IC₅₀ & Target	Auristatin

REFERENCES

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

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