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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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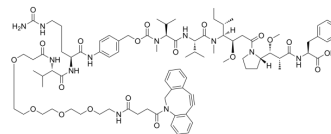
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DBCO-PEG4-Val-Cit-PAB-MMAF

Cat. No.:	HY-130990
CAS No.:	2244602-23-9
Molecular Formula:	C ₈₈ H ₁₂₆ N ₁₂ O ₂₀
Molecular Weight:	1672.01
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (149.52 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions	1 mM	1 mg	5 mg	10 mg
		5 mM	0.1196 mL	0.5981 mL	1.1962 mL
		10 mM	0.0598 mL	0.2990 mL	0.5981 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: 6.25 mg/mL (3.74 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 6.25 mg/mL (3.74 mM); Suspended solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 6.25 mg/mL (3.74 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	DBCO-PEG4-Val-Cit-PAB-MMAF consists a cleavable 4 unit PEG ADC linker (DBCO-PEG4-Val-Cit-PAB) and a potent tubulin polymerization inhibitor (MMAF). DBCO-PEG4-Val-Cit-PAB-MMAF can be used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . DBCO-PEG4-Val-Cit-PAB-MMAF is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.
IC ₅₀ & Target	Auristatin
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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

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