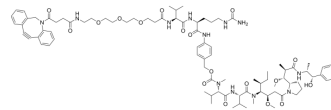


DBCO-(PEG)3-VC-PAB-MMAE

Cat. No.:	HY-111012
CAS No.:	2754384-60-4
Molecular Formula:	C ₈₆ H ₁₂₄ N ₁₂ O ₁₈
Molecular Weight:	1613.97
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, stored under nitrogen * The compound is unstable in solutions, freshly prepared is recommended.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 60 mg/mL (37.18 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		0.6196 mL	3.0980 mL	6.1959 mL
		5 mM		0.1239 mL	0.6196 mL	1.2392 mL
		10 mM		0.0620 mL	0.3098 mL	0.6196 mL
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: 1.5 mg/mL (0.93 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1.5 mg/mL (0.93 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.5 mg/mL (0.93 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	DBCO-(PEG)3-VC-PAB-MMAE is a agent-linker conjugate for ADC. DBCO-(PEG)3-VC-PAB-MMAE is made by Monomethyl auristatin E (HY-15162) conjugates to DBCO-(PEG)3-vc-PAB linker. DBCO-(PEG)3-VC-PAB-MMAE can be used for the research of cancer ^[1] . DBCO-(PEG)3-VC-PAB-MMAE is a click chemistry reagent, it contains a DBCO group that can undergo strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing Azide groups.
IC₅₀ & Target	Auristatin

CUSTOMER VALIDATION

- Nat Commun. 2023 Feb 21;14(1):974.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Karsten L, et al. Bivalent EGFR-Targeting DARPIn-MMAE Conjugates. Int J Mol Sci. 2022 Feb 23;23(5):2468.

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

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