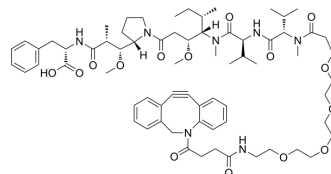


DBCO-PEG4-MMAF

Cat. No.:	HY-133492
CAS No.:	2360411-65-8
Molecular Formula:	C ₆₉ H ₉₉ N ₇ O ₁₅
Molecular Weight:	1266.56
Target:	Drug-Linker Conjugates for ADC
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Powder -20°C 3 years 4°C 2 years



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

SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (157.91 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		0.7895 mL	3.9477 mL	7.8954 mL
		5 mM		0.1579 mL	0.7895 mL	1.5791 mL
	10 mM		0.0790 mL	0.3948 mL	0.7895 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: 5 mg/mL (3.95 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 5 mg/mL (3.95 mM); Suspended solution; Need ultrasonic					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (3.95 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	DBCO-PEG4-MMAF is a agent-linker conjugate for ADC with potent antitumor activity by using the tubulin polymerization inhibitor, MMAF, linked via the cleavable linker DBCO-PEG4. DBCO-PEG4-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.
IC₅₀ & Target	Auristatin

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

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