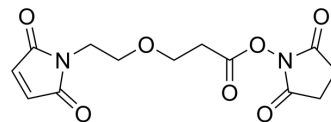


Mal-PEG1-NHS ester

Cat. No.:	HY-126886		
CAS No.:	1807518-72-4		
Molecular Formula:	C ₁₃ H ₁₄ N ₂ O ₇		
Molecular Weight:	310.26		
Target:	ADC Linker; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (322.31 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions			1 mg	5 mg
		1 mM		3.2231 mL	16.1155 mL
		5 mM		0.6446 mL	3.2231 mL
	10 mM		0.3223 mL	1.6116 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: ≥ 2.5 mg/mL (8.06 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Mal-PEG1-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Mal-PEG1-NHS ester is PEG-based PROTAC linker that can be used in the synthesis of PROTACs.		
IC₅₀ & Target	Cleavable	PEGs	
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

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

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