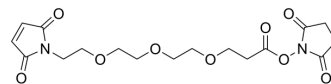


Mal-PEG3-NHS ester

Cat. No.:	HY-129526
CAS No.:	1537892-36-6
Molecular Formula:	C ₁₇ H ₂₂ N ₂ O ₉
Molecular Weight:	398.36
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (251.03 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.5103 mL	12.5515 mL	25.1029 mL
		5 mM	0.5021 mL	2.5103 mL	5.0206 mL
	10 mM	0.2510 mL	1.2551 mL	2.5103 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: ≥ 2.5 mg/mL (6.28 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.28 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Mal-PEG3-NHS ester is a noncleavable ADC linker containing a Maleimide group. Mal-PEG3-NHS ester is used for making antibody-drug conjugate ^[1] .
IC ₅₀ & Target	Non-cleavable Linker
In Vitro	Maleimide-PEG-NHS ester, the heterobifunctional crosslinker, can be used to couple thiol-bearing ligands to amine-functionalized matrices ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Gautam S, et al. Immobilization of hydrophobic peptidic ligands to hydrophilic chromatographic matrix: a preconcentration approach. Anal Biochem. 2012 Apr 15;423(2):202-9.

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

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