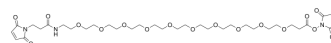


## Mal-amido-PEG10-C2-NHS ester

Cat. No.:	HY-126509
CAS No.:	1137109-22-8
Molecular Formula:	C <sub>34</sub> H <sub>55</sub> N <sub>3</sub> O <sub>17</sub>
Molecular Weight:	777.81
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Pure form -20°C 3 years In solvent -80°C 6 months -20°C 1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (128.57 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.2857 mL	6.4283 mL	12.8566 mL
		5 mM		0.2571 mL	1.2857 mL	2.5713 mL
	10 mM		0.1286 mL	0.6428 mL	1.2857 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 (3.21 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.21 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.21 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Mal-amido-PEG10-C2-NHS ester is a noncleavable ADC linker containing a maleimide group and an NHS ester. The NHS ester can be used to label the primary amines (-NH <sub>2</sub> ) of proteins, amine-modified oligonucleotides, and other amine-containing molecules <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Non-cleavable

### REFERENCES

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[1]. Hansen AM, et al. Microwave-assisted solid-phase synthesis of antisense acpP peptide nucleic acid-peptide conjugates active against colistin- and tigecycline-resistant *E. coli* and *K. pneumoniae*. *Eur J Med Chem.* 2019 Apr 15;168:134-145.

[2]. Zhang ge, et al. Preparation and application of FAPalpha activated polypeptide magnetic nanosphere compound used for diagnosis of tumors. CN105524141A

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

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