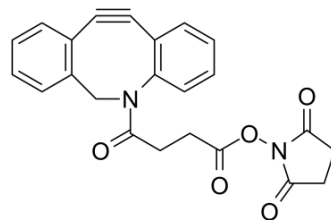


## DBCO-NHS ester

Cat. No.:	HY-42973		
CAS No.:	1353016-71-3		
Molecular Formula:	C <sub>23</sub> H <sub>18</sub> N <sub>2</sub> O <sub>5</sub>		
Molecular Weight:	402.4		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (248.51 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.4851 mL	12.4254 mL	24.8509 mL
			5 mM	0.4970 mL	2.4851 mL	4.9702 mL
			10 mM	0.2485 mL	1.2425 mL	2.4851 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 (6.21 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	DBCO-NHS ester is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[1]</sup> .
IC <sub>50</sub> & Target	Cleavable
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.

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## REFERENCES

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[1]. Method for identifying potential drug target protein useful for development of antibody drug, and method for producing antibody directed against target protein. WO2018151301A1.

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

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