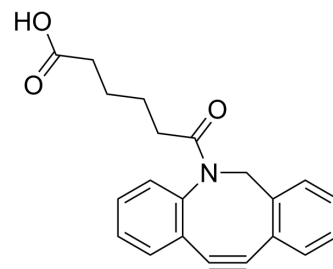


DBCO-C6-acid

Cat. No.:	HY-121805		
CAS No.:	1425485-72-8		
Molecular Formula:	C ₂₁ H ₁₉ NO ₃		
Molecular Weight:	333.38		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (299.96 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.9996 mL	14.9979 mL	29.9958 mL
	5 mM	0.5999 mL	2.9996 mL	5.9992 mL
	10 mM	0.3000 mL	1.4998 mL	2.9996 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.50 mM); Suspended solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	DBCO-C6-acid is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). DBCO-C6-acid can be used in the synthesis of carmaphycin analogues ^[1] . DBCO-C6-acid 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	Non-cleavable Linker
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.

REFERENCES

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

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