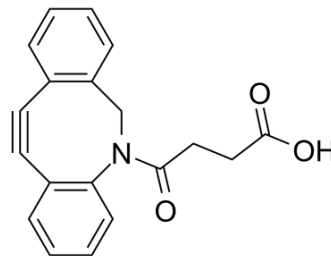


DBCO-acid

Cat. No.:	HY-42972
CAS No.:	1353016-70-2
Molecular Formula:	C ₁₉ H ₁₅ NO ₃
Molecular Weight:	305.33
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (327.51 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.2751 mL	16.3757 mL	32.7515 mL
		5 mM	0.6550 mL	3.2751 mL	6.5503 mL
	10 mM	0.3275 mL	1.6376 mL	3.2751 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 (8.19 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.19 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.19 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	DBCO-acid is a cleavable ADC linker used in the synthesis of ADC linker DBCO-NHS ester (HY-115524 and HY-115545), and drug-linker conjugates DBCO-PEG-MMAE (HY-111012 and HY-126690) ^[1] .
IC ₅₀ & Target	Cleavable

REFERENCES

[1]. Zimmerman ES, et al. Production of site-specific antibody-drug conjugates using optimized non-natural amino acids in a cell-free expression system. *Bioconjug Chem.* 2014 Feb 19;25(2):351-61.

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

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