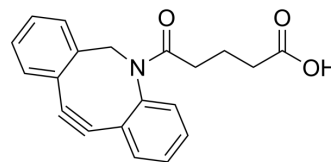


DBCO-C3-Acid

Cat. No.:	HY-120903		
CAS No.:	1207355-31-4		
Molecular Formula:	C ₂₀ H ₁₇ NO ₃		
Molecular Weight:	319.35		
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 (313.14 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.1314 mL	15.6568 mL	31.3136 mL
	5 mM	0.6263 mL	3.1314 mL	6.2627 mL
	10 mM	0.3131 mL	1.5657 mL	3.1314 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (7.83 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.5 mg/mL (7.83 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

DBCO-C3-Acid is a Click Chemistry intermediate used in the synthesis of antibody-drug conjugate (ADC) linker^[1].

REFERENCES

[1]. van Geel R, et al. Chemoenzymatic Conjugation of Toxic Payloads to the Globally Conserved N-Glycan of Native mAbs Provides Homogeneous and Highly Efficacious Antibody-Drug Conjugates. *Bioconjug Chem.* 2015;26(11):2233-2242.

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

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