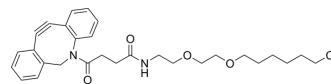


Halo-DBCO

Cat. No.:	HY-151716		
CAS No.:	1808119-16-5		
Molecular Formula:	C ₂₉ H ₃₅ ClN ₂ O ₄		
Molecular Weight:	511.05		
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 (195.68 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.9568 mL	9.7838 mL	19.5676 mL
	5 mM	0.3914 mL	1.9568 mL	3.9135 mL
	10 mM	0.1957 mL	0.9784 mL	1.9568 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 (4.89 mM); Clear solution; Need ultrasonic			
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (4.89 mM); Clear solution; Need ultrasonic			

BIOLOGICAL ACTIVITY

Description	Halo-DBCO is a click chemistry reagent containing dibenzocyclooctyne (DBCO). Halo-DBCO can be used as a ligand to react with HaloTag to form covalent HaloTag ligand couples.
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REFERENCES

[1]. Murrey HE, et al. Systematic Evaluation of Bioorthogonal Reactions in Live Cells with Clickable HaloTag Ligands: Implications for Intracellular Imaging. J Am Chem Soc. 2015 Sep 9;137(35):11461-75.

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

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