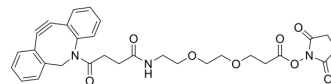


DBCO-PEG2-NHS ester

Cat. No.:	HY-151827		
CAS No.:	2585653-12-7		
Molecular Formula:	C ₃₀ H ₃₁ N ₃ O ₈		
Molecular Weight:	561.58		
Target:	ADC Linker		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description

DBCO-PEG2-NHS ester is a click chemistry reagent containing an azide group. DBCO-PEG2-NHS ester is a click chemistry PEG reagent containing NHS ester that is able to react specifically and efficiently with primary amines (e.g. the side chain of lysine residues or aminosilane-coated surfaces) at neutral or slightly basic condition to form a covalent bond. The hydrophilic PEG spacer arm improves water solubility and provides a long and flexible connection that minimizes steric hindrance involved with ligation. DBCO is commonly used for copper-free Click Chemistry reactions. Reagent grade, for research use only^[1].

REFERENCES

[1]. Jiang X, et al. Recent applications of click chemistry in drug discovery. *Expert Opin Drug Discov.* 2019 Aug;14(8):779-789.

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

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