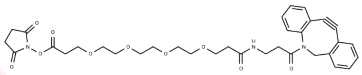
Data Sheet (Cat.No.T15064)

TargetMol

DBCO-NHCO-PEG4-NHS ester

Chemical Properties



CAS No. : 2100306-58-7

Formula: C34H39N3O10

Molecular Weight: 649.69

High Volatility

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	DBCO-NHCO-PEG4-NHS ester is a DBCO-containing PEGylated active ester linker that combines NHS ester reactivity toward primary amines with strain-promoted azide-alkyne cycloaddition capability. It enables efficient bioconjugation through amide coupling and copper-free click reaction with azide groups. The PEG4 spacer provides hydrophilicity and tunable linker length, making it widely used in PROTAC and antibody-drug conjugate (ADC) construction.
In vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5392 mL	7.696 mL	15.392 mL
5 mM	0.3078 mL	1.5392 mL	3.0784 mL
10 mM	0.1539 mL	0.7696 mL	1.5392 mL
50 mM	0.0308 mL	0.1539 mL	0.3078 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Thornlow DN, et al. Dual Site-Specific Antibody Conjugates for Sequential and Orthogonal Cargo Release. Bioconjug Chem. 2019 Jun 19;30(6):1702-1710.

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