

DBCO-PEG24-NHS ester

Chemical Properties

CAS No. :	2765066-38-2
Formula:	C74H119N3O30
Molecular Weight:	1530.74
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-PEG24-NHS ester is a click chemistry reagent featuring an NHS ester functionality, allowing for specific and efficient covalent bonding with primary amines (such as lysine residue side chains or aminosilane-coated surfaces) under neutral or slightly basic conditions. The hydrophilic polyethylene glycol spacer not only enhances solubility in water but also provides a long and flexible linkage that minimizes steric hindrance during the coupling process. Commonly used in copper-free click chemistry, DBCO-PEG24-NHS ester is available for research purposes only.
Targets(IC50)	ADC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6533 mL	3.2664 mL	6.5328 mL
5 mM	0.1307 mL	0.6533 mL	1.3066 mL
10 mM	0.0653 mL	0.3266 mL	0.6533 mL
50 mM	0.0131 mL	0.0653 mL	0.1307 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.

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