

## PC DBCO-PEG4-NHS ester

## Chemical Properties

CAS No. : 2055025-02-8

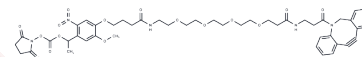
Formula: C47H55N5O16

Molecular Weight: 945.976

Keep away from direct sunlight

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	PC DBCO-PEG4-NHS ester, a PEG-based linker for PROTACs, connects two essential ligands to form PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one ligand targets an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0571 mL	5.2855 mL	10.571 mL
5 mM	0.2114 mL	1.0571 mL	2.1142 mL
10 mM	0.1057 mL	0.5286 mL	1.0571 mL
50 mM	0.0211 mL	0.1057 mL	0.2114 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

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-1014.

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