

DBCO-NHCO-PEG5-NHS ester

Chemical Properties

CAS No. : 1378531-80-6

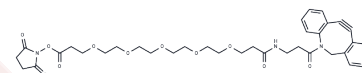
Formula: C₃₆H₄₃N₃O₁₁

Molecular Weight: 693.74

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	DBCO-NHCO-PEG5-NHS ester is a polyethylene glycol (PEG)-based linker used in the synthesis of PROTACs [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands connected by a linker: one targeting an E3 ubiquitin ligase and the other targeting the protein of interest. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4415 mL	7.2073 mL	14.4146 mL
5 mM	0.2883 mL	1.4415 mL	2.8829 mL
10 mM	0.1441 mL	0.7207 mL	1.4415 mL
50 mM	0.0288 mL	0.1441 mL	0.2883 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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