

DBCO-mPEG (MW 5kDa)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 5kDa

Store at low temperature

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-mPEG (MW 5kDa) is a PEG-based linker utilized in PROTACs to connect two essential ligands, facilitating selective protein degradation through the ubiquitin-proteasome system.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, consisting of two distinct ligands joined by a linker, feature one ligand that binds to an E3 ubiquitin ligase, and the other ligand that targets a specific protein of interest. These molecules harness the intracellular ubiquitin-proteasome system to achieve the selective degradation of the target proteins.[1]

Solubility Information

Solubility	DMSO: 100 mg/mL,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.200 mL	1.000 mL	2.000 mL
5 mM	0.040 mL	0.200 mL	0.400 mL
10 mM	0.020 mL	0.100 mL	0.200 mL
50 mM	0.004 mL	0.020 mL	0.040 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481