

Diketone-PEG12-DBCO

Chemical Properties

CAS No. :

Formula: C58H81N3O17

Molecular Weight: 1092.27



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	Diketone-PEG12-DBCO is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs feature two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9155 mL	4.5776 mL	9.1552 mL
5 mM	0.1831 mL	0.9155 mL	1.831 mL
10 mM	0.0916 mL	0.4578 mL	0.9155 mL
50 mM	0.0183 mL	0.0916 mL	0.1831 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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