

Bis-sulfone-PEG4-DBCO

Chemical Properties

CAS No. : 1854034-70-0

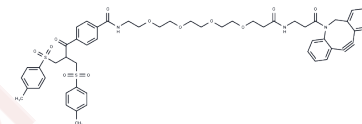
Formula: C54H59N3O12S2

Molecular Weight: 1006.2

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	Bis-sulfone-PEG4-DBCO, a PEG-based linker for PROTACs, joins two essential ligands, facilitating selective protein degradation through the ubiquitin-proteasome system [within cells].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other to the target protein. They selectively degrade target proteins by leveraging the intracellular ubiquitin-proteasome system[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9938 mL	4.9692 mL	9.9384 mL
5 mM	0.1988 mL	0.9938 mL	1.9877 mL
10 mM	0.0994 mL	0.4969 mL	0.9938 mL
50 mM	0.0199 mL	0.0994 mL	0.1988 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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