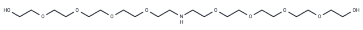
Data Sheet (Cat.No.T16309)

TargetMol

NH-bis-PEG5

Chemical Properties



CAS No. : 63721-06-2

Formula: C20H43NO10

Molecular Weight: 457.56

Storage: Keep away from direct sunlight
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	NH-bis-PEG5 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 consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets a specific protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1855 mL	10.9275 mL	21.8551 mL
5 mM	0.4371 mL	2.1855 mL	4.371 mL
10 mM	0.2186 mL	1.0928 mL	2.1855 mL
50 mM	0.0437 mL	0.2186 mL	0.4371 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

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