

HS-PEG24-CH₂CH₂COOH

Chemical Properties

CAS No. :

Formula: C₅₁H₁₀₂O₂₆S

Molecular Weight: 1163.4

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	HS-PEG24-CH ₂ CH ₂ COOH is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together; one binds to an E3 ubiquitin ligase and the other targets the specific protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8595 mL	4.2977 mL	8.5955 mL
5 mM	0.1719 mL	0.8595 mL	1.7191 mL
10 mM	0.086 mL	0.4298 mL	0.8595 mL
50 mM	0.0172 mL	0.086 mL	0.1719 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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