

Thiol-C9-PEG7

Chemical Properties

CAS No. :	130727-44-5
Formula:	C23H48O7S
Molecular Weight:	468.69
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thiol-C9-PEG7 is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1336 mL	10.668 mL	21.3361 mL
5 mM	0.4267 mL	2.1336 mL	4.2672 mL
10 mM	0.2134 mL	1.0668 mL	2.1336 mL
50 mM	0.0427 mL	0.2134 mL	0.4267 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.

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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