

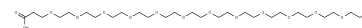
Thiol-PEG12-acid

Chemical Properties

CAS No. : 2211174-73-9

Formula: C₂₇H₅₄O₁₄S

Molecular Weight: 634.77



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	Thiol-PEG12-acid, a PEG-based linker for PROTACs, joins two essential ligands necessary for PROTAC molecule formation and facilitates selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands connected by a linker—one binding to an E3 ubiquitin ligase and the other to the target protein—leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5754 mL	7.8769 mL	15.7537 mL
5 mM	0.3151 mL	1.5754 mL	3.1507 mL
10 mM	0.1575 mL	0.7877 mL	1.5754 mL
50 mM	0.0315 mL	0.1575 mL	0.3151 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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