

Br-PEG4-THP

Chemical Properties

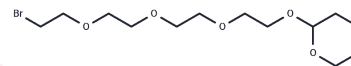
CAS No. : 1803547-60-5

Formula: C13H25BrO5

Molecular Weight: 341.242

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	Br-PEG4-THP is a PEG-based linker for PROTACs, joining 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 ligands linked by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein, harnessing the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9305 mL	14.6524 mL	29.3049 mL
5 mM	0.5861 mL	2.9305 mL	5.861 mL
10 mM	0.293 mL	1.4652 mL	2.9305 mL
50 mM	0.0586 mL	0.293 mL	0.5861 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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