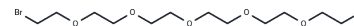


## Bromo-PEG5-bromide

## Chemical Properties

CAS No. :	67705-77-5
Formula:	C <sub>12</sub> H <sub>24</sub> Br <sub>2</sub> O <sub>5</sub>
Molecular Weight:	408.12
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Bromo-PEG5-bromide, a PEG-based linker for PROTACs, connects two essential ligands to facilitate the formation of PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase and the other to the target protein. They utilize the ubiquitin-proteasome system within cells to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4503 mL	12.2513 mL	24.5026 mL
5 mM	0.4901 mL	2.4503 mL	4.9005 mL
10 mM	0.245 mL	1.2251 mL	2.4503 mL
50 mM	0.049 mL	0.245 mL	0.4901 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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