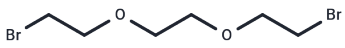
Data Sheet (Cat.No.T14788)

TargetMol

Bromo-PEG2-bromide

Chemical Properties



CAS No. : 31255-10-4

Formula: C6H12Br2O2

Molecular Weight: 275.97

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	Bromo-PEG2-bromide 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.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together; one binds to an E3 ubiquitin ligase, and the other to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6236 mL	18.1179 mL	36.2358 mL
5 mM	0.7247 mL	3.6236 mL	7.2472 mL
10 mM	0.3624 mL	1.8118 mL	3.6236 mL
50 mM	0.0725 mL	0.3624 mL	0.7247 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

Chen TH, et al. Metal-organic frameworks constructed from crown ether-based 1,4-benzenedicarboxylic acid derivatives. Dalton Trans. 2016 Feb 21;45(7):3063-9.

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