

Methyl-PEG3-bromide

Chemical Properties

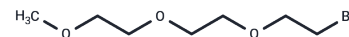
CAS No. : 72593-77-2

Formula: C7H15BrO3

Molecular Weight: 227.1

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	Methyl-PEG3-bromide is a PEG-based linker used in PROTACs, facilitating the conjugation of two essential ligands to enable selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, consisting of two ligands linked by a connector—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4033 mL	22.0167 mL	44.0335 mL
5 mM	0.8807 mL	4.4033 mL	8.8067 mL
10 mM	0.4403 mL	2.2017 mL	4.4033 mL
50 mM	0.0881 mL	0.4403 mL	0.8807 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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