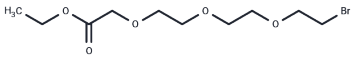
Data Sheet (Cat.No.T40389)

TargetMol

Br-PEG3-ethyl acetate

Chemical Properties



CAS No. : 308085-31-6

Formula: C10H19BrO5

Molecular Weight: 299.161

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-PEG3-ethyl acetate is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands crucial for PROTAC molecule formation. 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 connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3427 mL	16.7135 mL	33.4269 mL
5 mM	0.6685 mL	3.3427 mL	6.6854 mL
10 mM	0.3343 mL	1.6713 mL	3.3427 mL
50 mM	0.0669 mL	0.3343 mL	0.6685 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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