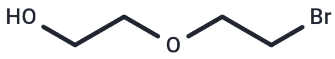
Data Sheet (Cat.No.T14787)

TargetMol

Bromo-PEG2-alcohol

Chemical Properties



CAS No. : 57641-66-4

Formula: C4H9BrO2

Molecular Weight: 169.02

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-alcohol, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two distinct ligands joined by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9165 mL	29.5823 mL	59.1646 mL
5 mM	1.1833 mL	5.9165 mL	11.8329 mL
10 mM	0.5916 mL	2.9582 mL	5.9165 mL
50 mM	0.1183 mL	0.5916 mL	1.1833 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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