

## Bromo-PEG2-C2-acid

## Chemical Properties

CAS No. : 1807503-92-9

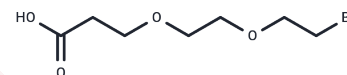
Formula: C7H13BrO4

Molecular Weight: 241.08

Keep away from direct sunlight

Storage: 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-C2-acid is a PEG-based linker for PROTACs that 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 incorporate two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other binds the target protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.148 mL	20.740 mL	41.480 mL
5 mM	0.8296 mL	4.148 mL	8.296 mL
10 mM	0.4148 mL	2.074 mL	4.148 mL
50 mM	0.083 mL	0.4148 mL	0.8296 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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