

## Bromo-PEG5-C2-acid

## Chemical Properties

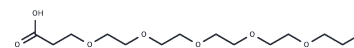
CAS No. : 1817735-27-5

Formula: C13H25BrO7

Molecular Weight: 373.24

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-PEG5-C2-acid is a PEG-based linker for PROTACs that merges two essential ligands, vital for creating PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system [within cells].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets the intended protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6792 mL	13.3962 mL	26.7924 mL
5 mM	0.5358 mL	2.6792 mL	5.3585 mL
10 mM	0.2679 mL	1.3396 mL	2.6792 mL
50 mM	0.0536 mL	0.2679 mL	0.5358 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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