

Bromoacetamido-PEG4-acid

Chemical Properties

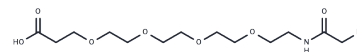
CAS No. : 1807518-67-7

Formula: C13H24BrNO7

Molecular Weight: 386.24

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	Bromoacetamido-PEG4-acid is a PEG-based PROTAC linker used for PROTAC synthesis[1] and serves as a cleavable 4-unit PEG ADC linker in the creation of antibody-drug conjugates (ADCs)[2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one targeting an E3 ubiquitin ligase and the other targeting the desired protein, thereby leveraging the ubiquitin-proteasome system for selective protein degradation[1]. ADCs are composed of an antibody with an attached cytotoxin via an ADC linker[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5891 mL	12.9453 mL	25.8906 mL
5 mM	0.5178 mL	2.5891 mL	5.1781 mL
10 mM	0.2589 mL	1.2945 mL	2.5891 mL
50 mM	0.0518 mL	0.2589 mL	0.5178 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.
- Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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