

Bromo-PEG1-NH2 hydrobromide

Chemical Properties

CAS No. : 2287287-20-9

Formula: C₄H₁₁Br₂NO

Molecular Weight: 248.946



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-PEG1-NH2 hydrobromide, a polyethylene glycol (PEG)-based linker compound, is used in the synthesis of proteolysis-targeting chimeras (PROTACs).
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands linked together—one binding an E3 ubiquitin ligase and the other the target protein—leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0169 mL	20.0844 mL	40.1687 mL
5 mM	0.8034 mL	4.0169 mL	8.0337 mL
10 mM	0.4017 mL	2.0084 mL	4.0169 mL
50 mM	0.0803 mL	0.4017 mL	0.8034 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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