

Propargyl-PEG12-bromide

Chemical Properties

CAS No. : 2410937-34-5

Formula: C₂₉H₅₅BrO₁₃

Molecular Weight: 691.64

Keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Propargyl-PEG12-bromide, a PEG-based PROTAC linker, is utilized in the synthesis of PROTACs.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4458 mL	7.2292 mL	14.4584 mL
5 mM	0.2892 mL	1.4458 mL	2.8917 mL
10 mM	0.1446 mL	0.7229 mL	1.4458 mL
50 mM	0.0289 mL	0.1446 mL	0.2892 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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