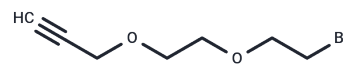


Propargyl-PEG2-bromide

Chemical Properties

CAS No. : 1287660-82-5
 Formula: C₇H₁₁BrO₂
 Molecular Weight: 207.07
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Propargyl-PEG2-bromide is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8293 mL	24.1464 mL	48.2928 mL
5 mM	0.9659 mL	4.8293 mL	9.6586 mL
10 mM	0.4829 mL	2.4146 mL	4.8293 mL
50 mM	0.0966 mL	0.4829 mL	0.9659 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.

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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