

Benzyl-PEG24-MS

Chemical Properties

CAS No. : 2218463-20-6

Formula: C56H106O27S

Molecular Weight: 1243.5

Appearance: no data available

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



Biological Description

Description	Benzyl-PEG24-MS 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	0.8042 mL	4.0209 mL	8.0418 mL
5 mM	0.1608 mL	0.8042 mL	1.6084 mL
10 mM	0.0804 mL	0.4021 mL	0.8042 mL
50 mM	0.0161 mL	0.0804 mL	0.1608 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

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