

Benzyl-PEG6-t-butyl ester

Chemical Properties

CAS No. : 2148296-00-6

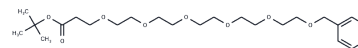
Formula: C₂₄H₄₀O₈

Molecular Weight: 456.576

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	Benzyl-PEG6-t-butyl ester is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules, and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are bifunctional molecules consisting of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the protein to be degraded. They harness the intracellular ubiquitin-proteasome system for the selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1902 mL	10.951 mL	21.902 mL
5 mM	0.438 mL	2.1902 mL	4.3804 mL
10 mM	0.219 mL	1.0951 mL	2.1902 mL
50 mM	0.0438 mL	0.219 mL	0.438 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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