

Ms-PEG5-t-butyl ester

Chemical Properties

CAS No. : 870487-48-2

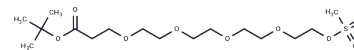
Formula: C16H32O9S

Molecular Weight: 400.49

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	Ms-PEG5-t-butyl ester is a PEG-based linker for PROTACs that connects two critical ligands essential for creating PROTAC molecules, facilitating selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize a linker to connect two distinct ligands: one for an E3 ubiquitin ligase and the other for the target protein. They selectively degrade target proteins by harnessing the intracellular ubiquitin-proteasome system[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4969 mL	12.4847 mL	24.9694 mL
5 mM	0.4994 mL	2.4969 mL	4.9939 mL
10 mM	0.2497 mL	1.2485 mL	2.4969 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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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