

m-PEG4-NHS ester

Chemical Properties

CAS No. : 622405-78-1

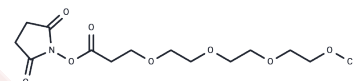
Formula: C₁₄H₂₃N₁O₈

Molecular Weight: 333.33

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	m-PEG4-NHS ester is a PEG-based linker for PROTACs that connects two essential ligands, facilitating selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, while the other targets a specific protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade these target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.000 mL	15.0002 mL	30.0003 mL
5 mM	0.600 mL	3.000 mL	6.0001 mL
10 mM	0.300 mL	1.500 mL	3.000 mL
50 mM	0.060 mL	0.300 mL	0.600 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

Lepage ML, et al. Design, synthesis and photochemical properties of the first examples of iminosugar clusters based on fluorescent cores. Beilstein J Org Chem. 2015 May 6;11:659-67.

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