

Fmoc-PEG5-NHS ester

Chemical Properties

CAS No. : 1402080-11-8

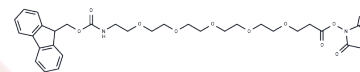
Formula: C₃₂H₄₀N₂O₁₁

Molecular Weight: 628.67

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	Fmoc-PEG5-NHS ester, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, containing two distinct ligands linked together—one for an E3 ubiquitin ligase and the other for a target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5907 mL	7.9533 mL	15.9066 mL
5 mM	0.3181 mL	1.5907 mL	3.1813 mL
10 mM	0.1591 mL	0.7953 mL	1.5907 mL
50 mM	0.0318 mL	0.1591 mL	0.3181 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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