

Fmoc-PEG12-NHS ester

Chemical Properties

CAS No. : 2227246-92-4

Formula: C₄₆H₆₈N₂O₁₈

Molecular Weight: 937.03



Keep away from direct sunlight

Storage: Pure form: -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-PEG12-NHS ester, a PEG-based linker for PROTACs, facilitates the joining of two essential ligands, crucial for the formation of PROTAC molecules, and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0672 mL	5.336 mL	10.672 mL
5 mM	0.2134 mL	1.0672 mL	2.1344 mL
10 mM	0.1067 mL	0.5336 mL	1.0672 mL
50 mM	0.0213 mL	0.1067 mL	0.2134 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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