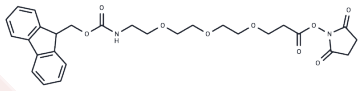
Data Sheet (Cat.No.T15330)

TargetMol

Fmoc-PEG3-C2-NHS ester

Chemical Properties



CAS No. : 1352827-47-4

Formula: C28H32N2O9

Molecular Weight: 540.56

Storage: Keep away from direct sunlight
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-PEG3-CH2CH2-NHS ester is a PEG-based linker derived from fluorenylmethoxycarbonyl (Fmoc) used for the efficient synthesis of PROTACs (proteolysis-targeting chimeras)[1], offering a practical solution for connecting desired molecules and targeting specific proteins for degradation.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one targets an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8499 mL	9.2497 mL	18.4993 mL
5 mM	0.370 mL	1.8499 mL	3.6999 mL
10 mM	0.185 mL	0.925 mL	1.8499 mL
50 mM	0.037 mL	0.185 mL	0.370 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

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