

m-PEG8-ethoxycarbonyl-NHS ester

Chemical Properties

CAS No. : 2353409-76-2

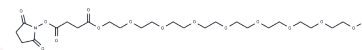
Formula: C₂₅H₄₃N₂O₁₄

Molecular Weight: 581.61

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-PEG8-ethoxycarbonyl-NHS ester is a polyethylene glycol (PEG)-based linker, utilized for the synthesis of PROTACs. It serves as an effective coupling agent, facilitating the conjugation of two molecules within PROTACs. This compound offers a stable and efficient platform for the delivery of targeted protein degradation therapeutics. [1]
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade these target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7194 mL	8.5968 mL	17.1937 mL
5 mM	0.3439 mL	1.7194 mL	3.4387 mL
10 mM	0.1719 mL	0.8597 mL	1.7194 mL
50 mM	0.0344 mL	0.1719 mL	0.3439 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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