

## Acid-PEG25-NHS ester

## Chemical Properties

CAS No. :

Formula: C58H109NO31

Molecular Weight: 1316.49

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	Acid-PEG25-NHS ester is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands linked together—one binding to an E3 ubiquitin ligase and the other to a target protein—harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7596 mL	3.798 mL	7.596 mL
5 mM	0.1519 mL	0.7596 mL	1.5192 mL
10 mM	0.076 mL	0.3798 mL	0.7596 mL
50 mM	0.0152 mL	0.076 mL	0.1519 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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