

## Acid-PEG9-NHS ester

## Chemical Properties

CAS No. : 1895916-27-4

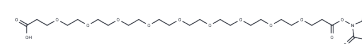
Formula: C<sub>26</sub>H<sub>45</sub>N<sub>15</sub>O<sub>15</sub>

Molecular Weight: 611.63

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-PEG9-NHS ester is a PEG-based linker for PROTACs [proteolysis-targeting chimeras], facilitating the conjugation of two essential ligands, essential for PROTAC molecule formation, and enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one targeting an E3 ubiquitin ligase and the other binding to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.635 mL	8.1749 mL	16.3498 mL
5 mM	0.327 mL	1.635 mL	3.270 mL
10 mM	0.1635 mL	0.8175 mL	1.635 mL
50 mM	0.0327 mL	0.1635 mL	0.327 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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