

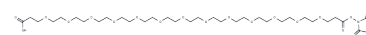
## Acid-PEG13-NHS ester

## Chemical Properties

CAS No. : 2152679-62-2

Formula: C34H61NO19

Molecular Weight: 787.84



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-PEG13-NHS ester is a PEG-based linker important for PROTACs (proteolysis-targeting chimeras) that connects two essential ligands, facilitating 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 targets an E3 ubiquitin ligase, and the other binds to the target protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.2693 mL | 6.3465 mL | 12.6929 mL |
| 5 mM  | 0.2539 mL | 1.2693 mL | 2.5386 mL  |
| 10 mM | 0.1269 mL | 0.6346 mL | 1.2693 mL  |
| 50 mM | 0.0254 mL | 0.1269 mL | 0.2539 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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