

## Cl-PEG2-acid

## Chemical Properties

CAS No. : 170304-76-4

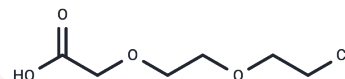
Formula: C<sub>6</sub>H<sub>11</sub>ClO<sub>4</sub>

Molecular Weight: 182.6

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	Cl-PEG2-acid is a PEG-based linker for PROTACs, essential for joining two ligands critical to forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other binds to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4765 mL	27.3823 mL	54.7645 mL
5 mM	1.0953 mL	5.4765 mL	10.9529 mL
10 mM	0.5476 mL	2.7382 mL	5.4765 mL
50 mM	0.1095 mL	0.5476 mL	1.0953 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481