

m-PEG9-CH<sub>2</sub>COOH

## Chemical Properties

CAS No. : 405518-55-0

Formula: C<sub>21</sub>H<sub>42</sub>O<sub>12</sub>

Molecular Weight: 486.55



Store at low temperature

Storage: Pure form: -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-PEG9-CH <sub>2</sub> COOH is a PEG-based PROTAC linker utilized in the synthesis of PROTACs.
Targets(IC <sub>50</sub> )	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	2.0553 mL	10.2764 mL	20.5529 mL
5 mM	0.4111 mL	2.0553 mL	4.1106 mL
10 mM	0.2055 mL	1.0276 mL	2.0553 mL
50 mM	0.0411 mL	0.2055 mL	0.4111 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