

Tos-PEG4-CH<sub>2</sub>COOH

## Chemical Properties

CAS No. :	2028284-73-1
Formula:	C <sub>17</sub> H <sub>26</sub> O <sub>9</sub> S
Molecular Weight:	406.448
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Tos-PEG4-CH <sub>2</sub> COOH is a PEG-based linker used in PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two ligands linked together—one binding to an E3 ubiquitin ligase and the other to a target protein—leverages the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4603 mL	12.3016 mL	24.6033 mL
5 mM	0.4921 mL	2.4603 mL	4.9207 mL
10 mM	0.246 mL	1.2302 mL	2.4603 mL
50 mM	0.0492 mL	0.246 mL	0.4921 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

Snaebjornsson MT, et al. Non-canonical functions of enzymes facilitate cross-talk between cell metabolic and regulatory pathways. *Exp Mol Med.* 2018 Apr 16;50(4):34.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481