

Tos-PEG2-CH₂COOH

Chemical Properties

CAS No. : 1807537-35-4

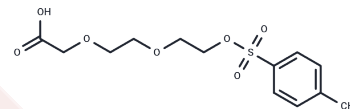
Formula: C₁₃H₁₈O₇S

Molecular Weight: 318.34

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	Tos-PEG2-CH ₂ COOH, a PEG-based linker for PROTACs, joins two essential ligands critical for forming PROTAC molecules, enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands linked together—one binding to an E3 ubiquitin ligase and the other to the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1413 mL	15.7065 mL	31.413 mL
5 mM	0.6283 mL	3.1413 mL	6.2826 mL
10 mM	0.3141 mL	1.5706 mL	3.1413 mL
50 mM	0.0628 mL	0.3141 mL	0.6283 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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