

m-PEG7-Tos

Chemical Properties

CAS No. :	79622-11-0
Formula:	C22H38O10S
Molecular Weight:	494.596
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	m-PEG7-Tos is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules. This linker enhances selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands—one binding to an E3 ubiquitin ligase and the other to the target protein—are linked by a connector. These compounds leverage the intracellular ubiquitin-proteasome system for the targeted degradation of specific proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0218 mL	10.1092 mL	20.2184 mL
5 mM	0.4044 mL	2.0218 mL	4.0437 mL
10 mM	0.2022 mL	1.0109 mL	2.0218 mL
50 mM	0.0404 mL	0.2022 mL	0.4044 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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