Data Sheet (Cat.No.T15895)

TargetMol

m-PEG5-NH2

Chemical Properties

CAS No. : 5498-83-9

Formula: C11H25NO5

Molecular Weight: 251.32

Storage: Keep away from direct sunlight
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	m-PEG5-NH2 is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by joining two essential ligands. This linker enables 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 ligand binds to an E3 ubiquitin ligase and the other to a target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.979 mL	19.895 mL	39.7899 mL
5 mM	0.7958 mL	3.979 mL	7.958 mL
10 mM	0.3979 mL	1.9895 mL	3.979 mL
50 mM	0.0796 mL	0.3979 mL	0.7958 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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