

m-PEG5-nitrile

Chemical Properties

CAS No. : 81836-41-1

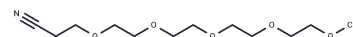
Formula: C12H23NO5

Molecular Weight: 261.31

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	m-PEG5-nitrile is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the selective degradation of proteins by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one ligand binds to an E3 ubiquitin ligase, while the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8269 mL	19.1344 mL	38.2687 mL
5 mM	0.7654 mL	3.8269 mL	7.6537 mL
10 mM	0.3827 mL	1.9134 mL	3.8269 mL
50 mM	0.0765 mL	0.3827 mL	0.7654 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

Saifer MG, et al. Selectivity of binding of PEGs and PEG-like oligomers to anti-PEG antibodies induced by methoxyPEG-proteins. Mol Immunol. 2014 Feb;57(2):236-46.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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