

Dimethylamino-PEG3

Chemical Properties

CAS No. : 2741-30-2

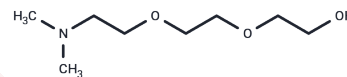
Formula: C₈H₁₉NO₃

Molecular Weight: 177.244

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	Dimethylamino-PEG3 is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation via the ubiquitin-proteasome system in cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two ligands linked together: one targeting an E3 ubiquitin ligase and the other targeting a specific protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6421 mL	28.2103 mL	56.4207 mL
5 mM	1.1284 mL	5.6421 mL	11.2841 mL
10 mM	0.5642 mL	2.821 mL	5.6421 mL
50 mM	0.1128 mL	0.5642 mL	1.1284 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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