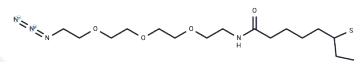


Lipoamido-PEG4-azide

Chemical Properties

CAS No. :	890016-39-4
Formula:	C16H30N4O4S2
Molecular Weight:	406.56
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	Lipoamido-PEG4-azide is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, or proteolysis-targeting chimeras, are composed of two distinct ligands joined by a linker. One of these ligands binds to a specific protein target, while the other binds to an E3 ubiquitin ligase. When the PROTAC binds to both the target protein and the E3 ligase, it triggers the ubiquitin-proteasome system within cells to degrade the target protein, thereby providing a mechanism for targeted protein degradation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4597 mL	12.2983 mL	24.5966 mL
5 mM	0.4919 mL	2.4597 mL	4.9193 mL
10 mM	0.246 mL	1.2298 mL	2.4597 mL
50 mM	0.0492 mL	0.246 mL	0.4919 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

H. Tetsuo Uyeda, et al. Synthesis of surface ligands to prepare hydrophilic and biologically compatible quantum dots. doi: 10.1117/12.590494

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