

Amine-PEG3-Desthiobiotin

Chemical Properties

CAS No. : 2237234-71-6

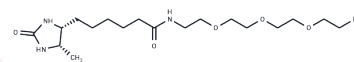
Formula: C18H36N4O5

Molecular Weight: 388.509

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	Amine-PEG3-Desthiobiotin is a PEG-based linker for PROTACs, joining 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 utilize two distinct ligands linked together: one targeting an E3 ubiquitin ligase and the other targeting the desired protein. By leveraging the intracellular ubiquitin-proteasome pathway, PROTACs enable the selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5739 mL	12.8697 mL	25.7394 mL
5 mM	0.5148 mL	2.5739 mL	5.1479 mL
10 mM	0.2574 mL	1.287 mL	2.5739 mL
50 mM	0.0515 mL	0.2574 mL	0.5148 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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