

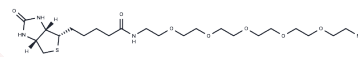
Biotin-PEG5-amine

Chemical Properties

CAS No. : 113072-75-6

Formula: C₂₂H₄₂N₄O₇S

Molecular Weight: 506.66



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	Biotin-PEG5-amine is a PEG-based PROTAC linker labeled with biotin. It is utilized in the synthesis of PROTACs, a class of molecules with the ability to target and degrade specific proteins[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, containing two distinct ligands linked by a connector—one for E3 ubiquitin ligase and the other for the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9737 mL	9.8686 mL	19.7371 mL
5 mM	0.3947 mL	1.9737 mL	3.9474 mL
10 mM	0.1974 mL	0.9869 mL	1.9737 mL
50 mM	0.0395 mL	0.1974 mL	0.3947 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

Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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