

Biotin-PEG2-CH₂CH₂N₃

Chemical Properties

CAS No. : 945633-30-7

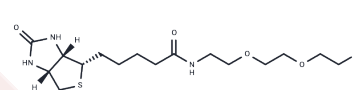
Formula: C₁₆H₂₈N₆O₄S

Molecular Weight: 400.5

Store at low temperature

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-PEG2-CH ₂ CH ₂ N ₃ is a PEG-based PROTAC linker suitable for use in PROTAC synthesis.
Targets(IC ₅₀)	PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Solubility Information

Solubility	DMSO: 122.5 mg/mL (305.87 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4969 mL	12.4844 mL	24.9688 mL
5 mM	0.4994 mL	2.4969 mL	4.9938 mL
10 mM	0.2497 mL	1.2484 mL	2.4969 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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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