

Biotin-PEG4-SH

Chemical Properties

CAS No. : 2762393-22-4

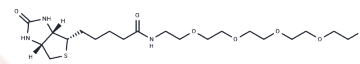
Formula: C₂₀H₃₇N₃O₆S₂

Molecular Weight: 479.65

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-PEG4-SH is a PEG-based PROTAC Linker containing a biotin group and a thiol (SH) moiety. Composed of four ethylene glycol units, it offers excellent hydrophilicity and is frequently utilized in the synthesis of PROTACs. The thiol group allows for conjugation with target protein ligands or E3 ubiquitin ligase ligands via thiol-maleimide coupling or disulfide exchange. The biotin group facilitates the enrichment, detection, or further bioconjugation of the resulting molecules.
Targets(IC50)	PROTAC Linker

Solubility Information

Solubility	DMSO: 80.00 mg/mL (166.79 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0849 mL	10.4243 mL	20.8485 mL
5 mM	0.417 mL	2.0849 mL	4.1697 mL
10 mM	0.2085 mL	1.0424 mL	2.0849 mL
50 mM	0.0417 mL	0.2085 mL	0.417 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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