

Biotin-PEG4-OH

Chemical Properties

CAS No. :	1217609-84-1
Formula:	C18H33N3O6S
Molecular Weight:	419.54
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	Biotin-PEG4-OH is a PEG-based linker for PROTACs that joins two essential ligands required for PROTAC molecule construction. Biotin-PEG4-OH facilitates selective protein degradation through exploitation of the intracellular ubiquitin-proteasome system. Biotin-PEG4-OH is applicable to targeted protein degradation platform development, linker optimization, and chemical biology research involving bifunctional molecular constructs.
Targets(IC50)	PROTAC Linker

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3836 mL	11.9178 mL	23.8356 mL
5 mM	0.4767 mL	2.3836 mL	4.7671 mL
10 mM	0.2384 mL	1.1918 mL	2.3836 mL
50 mM	0.0477 mL	0.2384 mL	0.4767 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

Lin YH, et al. A high-affinity split-HaloTag for live-cell protein labeling. Nat Commun. 2026 Mar 25;17(1):2865.

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