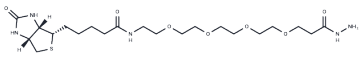
Data Sheet (Cat.No.T17585)

TargetMol

Biotin-PEG4-hydrazide

Chemical Properties



CAS No. : 756525-97-0

Formula: C21H39N5O7S

Molecular Weight: 505.63

Storage: Keep away from direct sunlight
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-hydrazide, a biotin-labeled polyethylene glycol (PEG)-based hydrazide compound, is used as a linker in the synthesis of proteolysis targeting chimeras (PROTACs)[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one targets an E3 ubiquitin ligase, and the other binds to the target protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9777 mL	9.8887 mL	19.7773 mL
5 mM	0.3955 mL	1.9777 mL	3.9555 mL
10 mM	0.1978 mL	0.9889 mL	1.9777 mL
50 mM	0.0396 mL	0.1978 mL	0.3955 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.

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