

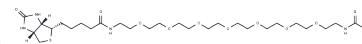
Biotin-PEG7-thiourea

Chemical Properties

CAS No. : 2353409-59-1

Formula: C₂₇H₅₁N₅O₉S₂

Molecular Weight: 653.85



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-PEG7-thiourea, a biotin-labeled linker compound based on polyethylene glycol (PEG), is used for PROTACs synthesis [1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one binds to an E3 ubiquitin ligase, and the other targets the protein for degradation. They utilize the intracellular ubiquitin-proteasome system for selective protein degradation[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5294 mL	7.647 mL	15.294 mL
5 mM	0.3059 mL	1.5294 mL	3.0588 mL
10 mM	0.1529 mL	0.7647 mL	1.5294 mL
50 mM	0.0306 mL	0.1529 mL	0.3059 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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