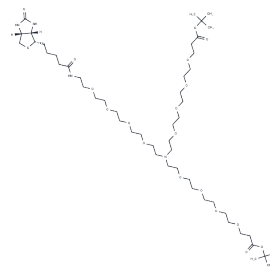


N-(Biotin-PEG4)-N-bis(PEG4-Boc)

Chemical Properties

CAS No. : 2112730-79-5
 Formula: C₅₀H₉₄N₄O₁₈S
 Molecular Weight: 1071.36
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	N-(Biotin-PEG4)-N-bis(PEG4-Boc) is a polyethylene glycol (PEG)-based linker utilized for the synthesis of proteolysis-targeting chimeras (PROTACs)[1].
Targets(IC50)	Others
In vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9334 mL	4.667 mL	9.3339 mL
5 mM	0.1867 mL	0.9334 mL	1.8668 mL
10 mM	0.0933 mL	0.4667 mL	0.9334 mL
50 mM	0.0187 mL	0.0933 mL	0.1867 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.

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

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