

Biotin-PEG11-amine

Chemical Properties

CAS No. : 1418022-42-0
Formula: C₃₄H₆₆N₄O₁₃S
Molecular Weight: 770.97
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Biotin-PEG11-amine is a PEG-based linker with biotin labeling which finds application in the synthesis of 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	1.2971 mL	6.4853 mL	12.9707 mL
5 mM	0.2594 mL	1.2971 mL	2.5941 mL
10 mM	0.1297 mL	0.6485 mL	1.2971 mL
50 mM	0.0259 mL	0.1297 mL	0.2594 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

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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