

Biotin-PEG3-(CH₂)₃-NH₂ TFA salt

Chemical Properties

CAS No. : 1374658-86-2

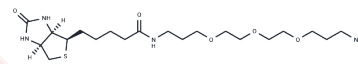
Formula: C₂₀H₃₈N₄O₅S

Molecular Weight: 446.61

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-PEG3-(CH ₂) ₃ -NH ₂ TFA salt is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker; one ligand targets an E3 ubiquitin ligase and the other targets the desired protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2391 mL	11.1955 mL	22.3909 mL
5 mM	0.4478 mL	2.2391 mL	4.4782 mL
10 mM	0.2239 mL	1.1195 mL	2.2391 mL
50 mM	0.0448 mL	0.2239 mL	0.4478 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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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