

Biotin-bis-amido-SS-NHS

Chemical Properties

CAS No. : 142439-92-7

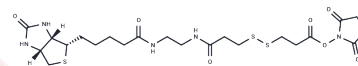
Formula: C₂₂H₃₃N₅O₇S₃

Molecular Weight: 575.72

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-bis-amido-SS-NHS is an alkyl/ether-based PROTAC linker used in the synthesis of PROTACs.
Targets(IC50)	Others,PROTAC Linker
In vitro	Biotin-bis-amido-SS-NHS, characterized by its long-arm structure and a disulfide bond, is utilized in the biochemistry detection field to minimize steric hindrance effects, thereby enhancing detection sensitivity[1]. PROTACs, constructed with two distinct ligands linked by a connector, exploit one ligand for E3 ubiquitin ligase and another for the target protein, leveraging the intracellular ubiquitin-proteasome system for the selective degradation of target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.737 mL	8.6848 mL	17.3696 mL
5 mM	0.3474 mL	1.737 mL	3.4739 mL
10 mM	0.1737 mL	0.8685 mL	1.737 mL
50 mM	0.0347 mL	0.1737 mL	0.3474 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

Liyanping, et al. A kind of long arm biotin containing disulfide bond and preparation method thereof. Patent CN107383054A.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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