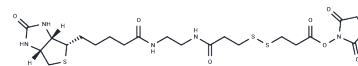


Data Sheet (Cat.No.T14575)

Biotin-bis-amido-SS-NHS

Chemical Properties

CAS No. : 142439-92-7
Formula: C₂₂H₃₃N₅O₇S₃
Molecular Weight: 575.72
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Biotin-bis-amido-SS-NHS is an alkyl/ether-based PROTAC linker that finds utility in the synthesis of PROTACs.
Targets(IC50)	Others
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.

Reference

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

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