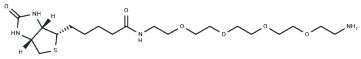
Data Sheet (Cat.No.T14599)

TargetMol

Biotin-PEG4-amine

Chemical Properties



CAS No. : 663171-32-2

Formula: C20H38N4O6S

Molecular Weight: 462.6

Storage: Keep away from direct sunlight
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-PEG4-amine is a biotinylated PEGylated amine linker that provides a flexible spacer suitable for PROTAC synthesis and bioconjugation workflows. Biotin-PEG4-amine facilitates efficient ligand attachment to proteins or small molecules via its terminal amine while preserving accessibility for streptavidin-based detection or enrichment techniques.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs comprise two ligands linked together: one binds an E3 ubiquitin ligase, and the other targets a specific protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Solubility Information

Solubility	DMSO: 80 mg/mL (172.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1617 mL	10.8085 mL	21.6169 mL
5 mM	0.4323 mL	2.1617 mL	4.3234 mL
10 mM	0.2162 mL	1.0808 mL	2.1617 mL
50 mM	0.0432 mL	0.2162 mL	0.4323 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

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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