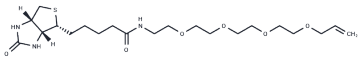
Data Sheet (Cat.No.T39132)

TargetMol

Biotin-PEG4-allyl

Chemical Properties



CAS No. : 1643661-79-3

Formula: C21H37N3O6S

Molecular Weight: 459.6

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-allyl is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules. This linker facilitates selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase and the other targets the protein of interest. By leveraging the intracellular ubiquitin-proteasome system, PROTACs facilitate the selective degradation of target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1758 mL	10.879 mL	21.7581 mL
5 mM	0.4352 mL	2.1758 mL	4.3516 mL
10 mM	0.2176 mL	1.0879 mL	2.1758 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

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