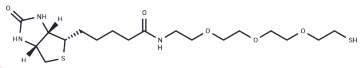
Data Sheet (Cat.No.T38627)

TargetMol

Biotin-PEG3-SH

Chemical Properties



CAS No. : 1244028-52-1

Formula: C18H33N3O5S2

Molecular Weight: 435.6

Storage: Keep away from moisture,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-PEG3-SH is a PROTAC linker consisting of biotin, PEG and sulfhydryl groups for the synthesis of PROTAC.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs are composed of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. They utilize the cellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2957 mL	11.4784 mL	22.9568 mL
5 mM	0.4591 mL	2.2957 mL	4.5914 mL
10 mM	0.2296 mL	1.1478 mL	2.2957 mL
50 mM	0.0459 mL	0.2296 mL	0.4591 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
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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