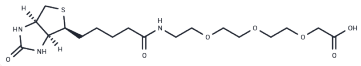
Data Sheet (Cat.No.T38573)

TargetMol

Biotin-PEG3-CH2COOH

Chemical Properties



CAS No. : 1189560-96-0

Formula: C18H31N3O7S

Molecular Weight: 433.52

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-PEG3-CH2COOH is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase and the other to a target protein, leveraging the intracellular ubiquitin-proteasome system for selective degradation of target proteins (PROTACs)[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3067 mL	11.5335 mL	23.067 mL
5 mM	0.4613 mL	2.3067 mL	4.6134 mL
10 mM	0.2307 mL	1.1533 mL	2.3067 mL
50 mM	0.0461 mL	0.2307 mL	0.4613 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

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481