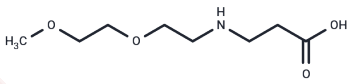
Data Sheet (Cat.No.T18141)

TargetMol

m-PEG12-NH-C2-acid

Chemical Properties



CAS No. : 1949843-39-3

Formula: C8H17NO4

Molecular Weight: 191.227

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	m-PEG12-NH-C2-acid is a PEG-based linker for PROTACs, joining two essential ligands necessary for the formation of PROTAC molecules. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system [within cells].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other to a target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2293 mL	26.1465 mL	52.2931 mL
5 mM	1.0459 mL	5.2293 mL	10.4586 mL
10 mM	0.5229 mL	2.6147 mL	5.2293 mL
50 mM	0.1046 mL	0.5229 mL	1.0459 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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