Data Sheet (Cat.No.T18229)

TargetMol

m-PEG9-SH

Chemical Properties

CAS No. : 651042-84-1

Formula: C19H40O9S

Molecular Weight: 444.58

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-PEG9-SH, a PEG-based linker for PROTACs, facilitates the formation of PROTAC molecules by joining two essential ligands and enables selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the protein of interest. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2493 mL	11.2466 mL	22.4931 mL
5 mM	0.4499 mL	2.2493 mL	4.4986 mL
10 mM	0.2249 mL	1.1247 mL	2.2493 mL
50 mM	0.045 mL	0.2249 mL	0.4499 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