# Data Sheet (Cat.No.T40824)



# Thiol-C9-PEG4-acid

# **Chemical Properties**

CAS No.: 716339-41-2 Formula: C19H38O6S

Molecular Weight: 394.57

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

# **Biological Description**

Thiol-C9-PEG4-acid is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## **Preparing Stock Solutions**

	1mg	5mg	10mg
1 mM	2.5344 mL	12.672 mL	25.344 mL
5 mM	0.5069 mL	2.5344 mL	5.0688 mL
10 mM	0.2534 mL	1.2672 mL	2.5344 mL
50 mM	0.0507 mL	0.2534 mL	0.5069 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.

### 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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