

m-PEG-thiol (MW 5000)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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-PEG-thiol (MW 5000) is a PEG-based linker used in PROTACs, facilitating the conjugation of essential ligands necessary for PROTAC molecule formation, and enabling selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked by a connector: one ligand binds to an E3 ubiquitin ligase, and the other targets the specific protein. They leverage the intracellular ubiquitin-proteasome system for the selective degradation of target proteins[1].

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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