Data Sheet (Cat.No.T18130)

TargetMol
A DRUG SCREENING EXPERT

m-PEG11-SH

Chemical Properties

CAS No.:	T18130
Formula:	C23H48O11S
Molecular Weight:	532.69
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	m-PEG11-SH is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].
Targets(IC_{50})	PEGs: None
In vitro	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].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.877 mL	9.386 mL	18.773 mL
5 mM	0.375 mL	1.877 mL	3.755 mL
10 mM	0.188 mL	0.939 mL	1.877 mL
50 mM	0.038 mL	0.188 mL	0.375 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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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