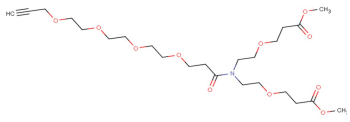
Data Sheet (Cat.No.T16248)

TargetMol
A DRUG SCREENING EXPERT

N-(Propargyl-PEG4-carbonyl)-N-bis(PEG1-methyl ester)

Chemical Properties



CAS No.:	2112732-01-9
Formula:	C24H41NO11
Molecular Weight:	519.58
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	N-(Propargyl-PEG4-carbonyl)-N-bis(PEG1-methyl ester) 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	1.925 mL	9.623 mL	19.246 mL
5 mM	0.385 mL	1.925 mL	3.849 mL
10 mM	0.192 mL	0.962 mL	1.925 mL
50 mM	0.038 mL	0.192 mL	0.385 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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