Data Sheet (Cat.No.T14650)

TargetMol®
YOUR TARGET MOLECULES

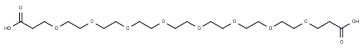
Bis-PEG8-acid

Chemical Properties

CAS No. : 1246189-43-4

Formula: C20H38O12

Molecular Weight: 470.51



Appearance: no data available

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

Biological Description

Description	Bis-PEG8-acid, a PEG-based PROTAC linker, is utilized in the synthesis of PROTACs and antibody-drug conjugates (ADCs)[1]. It serves as a cleavable ADC linker, facilitating the development of specialized compounds.
Targets(IC50)	Others
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. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1254 mL	10.6268 mL	21.2535 mL
5 mM	0.4251 mL	2.1254 mL	4.2507 mL
10 mM	0.2125 mL	1.0627 mL	2.1254 mL
50 mM	0.0425 mL	0.2125 mL	0.4251 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

Gregory Slobodkin, et al. Polyamine derivatives. WO2010108108A2

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