Data Sheet (Cat.No.T14261)

TargetMol
YOUR TARGET MOLECULES

Aminooxy-PEG2-alcohol

Chemical Properties

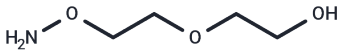
CAS No. : 185022-12-2

Formula: C4H11NO3

Molecular Weight: 121.135

Appearance: no data available

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



Biological Description

Description	Aminooxy-PEG2-alcohol is a non-cleavable PEG linker consisting of two units, utilized in the synthesis of antibody-drug conjugates (ADCs) [1]. This compound serves as a PEG-based PROTAC linker for the synthesis of PROTACs as well [2].
Targets(IC50)	Others
In vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. 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[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.2549 mL	41.2746 mL	82.5491 mL
5 mM	1.651 mL	8.2549 mL	16.5098 mL
10 mM	0.8255 mL	4.1275 mL	8.2549 mL
50 mM	0.1651 mL	0.8255 mL	1.651 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

Marek Kwiatkowski. Conjugates of biologically active molecules to functionalized polymers. WO2013186632A2.
Murray BS, et al. Reactive thermoresponsive copolymer scaffolds. Chem Commun (Camb). 2010 Dec 7;46(45):

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