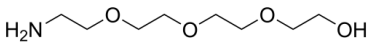
Data Sheet

Product Name:	Amino-PEG4-alcohol
Cat. No.:	CS-W008005
CAS No.:	86770-74-3
Molecular Formula:	$C_8H_{19}NO_4$
Molecular Weight:	193.24
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Solubility:	DMSO : ≥ 100 mg/mL (517.49 mM); H2O : 50 mg/mL (258.75 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Amino-PEG4-alcohol is a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1]. Amino-PEG4-alcohol is also a non-cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2]. ***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]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

References:

[1]. Nello Mainolfi, et al. Protein degraders and uses thereof. WO2019060742A1.

[2]. Miller MA, et al. Modular Nanoparticulate Prodrug Design Enables Efficient Treatment of Solid Tumors Using Bioorthogonal Activation. ACS Nano. 2018 Dec 26;12(12):12814-12826.

CAIndexNames:

Ethanol, 2-[2-[2-(2-aminoethoxy)ethoxy]ethoxy]-

SMILES:

NCCOCCOCCOCCO

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