

Aminoxy-PEG4-alcohol

Chemical Properties

CAS No.:	106492-60-8
Formula:	C ₈ H ₁₉ NO ₅
Molecular Weight:	209.24
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Aminoxy-PEG4-alcohol is a non-cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. Aminoxy-PEG4-alcohol is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[2].
Targets(IC ₅₀)	PEGs: None Non-cleavable: None
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].

Solubility Information

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

	1mg	5mg	10mg
1 mM	4.779 mL	23.896 mL	47.792 mL
5 mM	0.956 mL	4.779 mL	9.558 mL
10 mM	0.478 mL	2.39 mL	4.779 mL
50 mM	0.096 mL	0.478 mL	0.956 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 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Heather D. Maynard, et al. Method of creating hydrogels through oxime bond formation. US20150202305A1.
2. Murray BS, et al. Reactive thermoresponsive copolymer scaffolds. Chem Commun (Camb). 2010 Dec 7;46(45):8651-3.

Inhibitors · Natural Compounds · Compound Libraries

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