# Aminooxy-PEG4-alcohol

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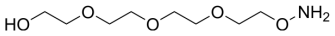
| **Cat. No.:** | HY-124123 |
| **CAS No.:** | 106492-60-8 |
| **Molecular Formula:** | $C_8H_{19}NO_5$ |
| **Molecular Weight:** | 209.24 |
| **Target:** | ADC Linker; PROTAC Linkers |
| **Pathway:** | Antibody-drug Conjugate/ADC Related; PROTAC |
| **Storage:** | Please store the product under the recommended conditions in the Certificate of Analysis. |



## BIOLOGICAL ACTIVITY

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| **Description** | Aminooxy-PEG4-alcohol is a non-cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. Aminooxy-PEG4-alcohol is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[2]. | |
| **$IC_{50}$ & Target** | PEGs | Non-cleavable |
| **In Vitro** | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1].<br>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].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. | |

## REFERENCES

[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.



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