
Product Data Sheet

Product Name: Aminoxy-PEG4-alcohol

Cat. No.: GC67147

Chemical Properties

Cas. No. 106492-60-8

Formula $C_8H_{19}NO_5$ M.Wt 209.24

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

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].

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].

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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