
Product Data Sheet

Product Name: Amino-PEG10-OH

Cat. No.: GC67176

Chemical Properties

Cas. No. 129449-09-8

Formula $C_{20}H_{43}NO_{10}$ M.Wt 457.56

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

Amino-PEG10-OH is non-cleavable 10 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-PEG10-OH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[1].

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

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]. James Bailey, et al. Non peptidic heterobivalent molecules for treating inflammatory diseases. WO2018134731A1.

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

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