
Product Data Sheet

Product Name: Amino-PEG11-OH

Cat. No.: GC67174

Chemical Properties

Cas. No. 15332-94-2

Formula $C_{22}H_{47}NO_{11}$ M.Wt 501.61

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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-PEG11-OH is non-cleavable 11 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-PEG11-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]. Synthesis of reduced sensitive azo connection unit and application of azo connection unit in DNA (deoxyribonucleic acid) sequencing. CN103539697A.

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

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