
Product Data Sheet

Product Name: Propargyl-PEG8-NH2

Cat. No.: GC66709

Chemical Properties

Cas. No. 1196732-52-1

Formula C₁₉H₃₇NO₈ M.Wt 407.5

Solubility Storage 4°C, protect from light, stored under nitrogen

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

Propargyl-PEG8-NH2 (compound 3b) is a PEG-based **PROTAC linker** can be used in the synthesis of PROTACs. Propargyl-PEG8-NH2 is a non-cleavable **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs)^[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.

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

[1]. Genady AR, et al. Preparation and Evaluation of Radiolabeled Antibody Recruiting Small Molecules That Target Prostate-Specific Membrane Antigen for Combined Radiotherapy and Immunotherapy. J Med Chem. 2016 Mar 24;59(6):2660-73.

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

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