
Product Data Sheet

Product Name: NH2-PEG6-Boc

Cat. No.: GC64153

Chemical Properties

Cas. No. 1286281-32-0

Formula C₁₉H₃₉NO₈ M.Wt 409.51

Solubility Storage 4°C, protect from light

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

NH2-PEG6-Boc is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. NH2-PEG6-Boc is also a non-cleavable 6 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2].

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]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[2].

[1]. Foley CA, et al. Assessing the Cell Permeability of Bivalent Chemical Degraders Using the Chloroalkane Penetration Assay. ACS Chem Biol. 2020 Jan 17;15(1):290-295.

[2]. Kenneth John DIRICO, et al. Spliceostatin analogs. WO2014068443A1.

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

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