
Product Data Sheet

Product Name: Fmoc-N-methyl-PEG3-CH₂CH₂COOH

Cat. No.: GC66813

Chemical Properties

Cas. No. 1807518-77-9

Formula C₂₅H₃₁NO₇ M.Wt 457.52

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**

Fmoc-N-methyl-PEG3-CH₂CH₂COOH is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-N-methyl-PEG3-CH₂CH₂COOH 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]. Yang Y, et al. Design, synthesis, and biological characterization of novel PEG-linked dimeric modulators for CXCR4. *Bioorg Med Chem.* 2016 Nov 1;24(21):5393-5399.

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

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