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## Product Data Sheet

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Product Name: Boc-NH-PEG1-CH<sub>2</sub>CH<sub>2</sub>COOH

Cat. No.: GC66179

### Chemical Properties

Cas. No. 1260092-44-1

Formula C<sub>10</sub>H<sub>19</sub>NO<sub>5</sub> M.Wt 233.26

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

Boc-NH-PEG1-CH<sub>2</sub>CH<sub>2</sub>COOH is a cleavable (1 unit PEG) ADC linker and also a **PEG-** and **Alkyl/ether-based PROTAC linker** can be used in the synthesis of antibody-drug conjugates (ADCs) or PROTACs<sup>[1][2]</sup>.

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker<sup>[1]</sup>. 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<sup>[2]</sup>.

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

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