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## Product Data Sheet

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Product Name: m-PEG5-CH<sub>2</sub>COOH

Cat. No.: GC65825

### Chemical Properties

Cas. No. 16142-03-3

Formula C<sub>13</sub>H<sub>26</sub>O<sub>8</sub> M.Wt 310.34

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

m-PEG5-CH<sub>2</sub>COOH is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). m-PEG5-CH<sub>2</sub>COOH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs<sup>[1]</sup>.

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.

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

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