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## Product Data Sheet

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Product Name: Amino-PEG8-Boc

Cat. No.: GC64324

### Chemical Properties

Cas. No. 756526-06-4

Formula C<sub>23</sub>H<sub>47</sub>NO<sub>10</sub> M.Wt 497.62

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

Amino-PEG8-Boc is a cleavable 8 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-PEG8-Boc 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]. Hans-Georg Lerchen, et al. Antibody drug conjugates (adcs) and antibody prodrug conjugates (apdcs) with enzymatically cleavable groups. WO2016207089A1.

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

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