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## Product Data Sheet

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Product Name: Azido-PEG6-amine

Cat. No.: GC64812

### Chemical Properties

Cas. No. 957486-82-7

Formula C<sub>14</sub>H<sub>30</sub>N<sub>4</sub>O<sub>6</sub> M.Wt 350.41

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

Azido-PEG6-amine is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Azido-PEG6-amine 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]. Williams EGL, et al. Glycosylated Reversible Addition-Fragmentation Chain Transfer Polymers with Varying Polyethylene Glycol Linkers Produce Different Short Interfering RNA Uptake, Gene Silencing, and Toxicity Profiles. *Biomacromolecules*. 2017 Dec 11;18(12):4099-4112.

[2]. Philip Wilson Howard, et al. Pyrrolobenzodiazepines and conjugates thereof. WO2014140862A2.

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

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