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## Product Data Sheet

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Product Name: Propargyl-PEG4-thiol

Cat. No.: GC67451

### Chemical Properties

Cas. No. 1347750-80-4

Formula  $C_{11}H_{20}O_4S$  M.Wt 248.34

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

Propargyl-PEG4-thiol is a PEG-based **PROTAC linker** can be used in the synthesis of PROTACs. Propargyl-PEG4-thiol is a non-cleavable **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs)<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.

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

[1]. Goswami LN, et al. Efficient synthesis of diverse heterobifunctionalized clickable oligo(ethylene glycol) linkers: potential applications in bioconjugation and targeted drug delivery.

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

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