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## Product Data Sheet

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Product Name: Propargyl-PEG1-SS-PEG1-C2-Boc

Cat. No.: GC67130

### Chemical Properties

Cas. No. 1807518-78-0

Formula  $C_{14}H_{24}O_4S_2$  M.Wt 320.47

Solubility Storage Store at  $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}C$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}C$  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-PEG1-SS-PEG1-C2-Boc is a Alkyl/ether-based **PROTAC linker** can be used in the synthesis of PROTACs. Propargyl-PEG1-SS-PEG1-C2-Boc is a 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]. Barrientos AG, et al. Gold glyconanoparticles: synthetic polyvalent ligands mimicking glycolyx-like surfaces as tools for glycobiological studies. Chemistry. 2003 May 9;9(9):1909-21.

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

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