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## Product Data Sheet

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Product Name: Bis-PEG9-acid

Cat. No.: GC65801

### Chemical Properties

Cas. No. 1268488-70-5

Formula  $C_{22}H_{42}O_{13}$

M.Wt

514.56

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

Bis-?PEG9-?acid is a PEG-based **PROTAC linker** can be used in the synthesis of PROTACs. Bis-?PEG9-?acid 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.

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

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