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## Product Data Sheet

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Product Name: Hydroxy-PEG4-acid

Cat. No.: GC65855

### Chemical Properties

Cas. No. 937188-59-5

Formula  $C_{11}H_{22}O_7$  M.Wt 266.29

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

Hydroxy-PEG4-acid is a non-cleavable 4 unit PEG **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs). Hydroxy-PEG4-acid is also a PEG-based **PROTAC linker** that can be used in the synthesis of PROTACs<sup>[1]</sup>.

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker<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<sup>[1]</sup>.

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

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