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**Product Data Sheet**

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Product Name: NH-bis-PEG2

Cat. No.: GC67456

**Chemical Properties**

Cas. No. 54384-47-3

Formula  $C_8H_{19}NO_4$  M.Wt 193.24

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**

NH-bis-PEG2 is a non-cleavable 2 unit PEG **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs). NH-bis-PEG2 is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs.

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

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]. Brown A, et al. PEG-lipid micelles enable cholesterol efflux in Niemann-Pick Type C1 disease-based lysosomal storage disorder. Sci Rep. 2016 Aug 30;6:31750.

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

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