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**Product Data Sheet**

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Product Name: Lipoamido-PEG3-OH

Cat. No.: GC67162

**Chemical Properties**

Cas. No. 1342764-64-0

Formula  $C_{16}H_{31}NO_5S_2$  M.Wt 381.55

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**

Lipoamido-PEG3-OH is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Lipoamido-PEG3-OH (compound TA-TEG-G2CN) can be used in the formation of a highly stable, dendronized gold nanoparticle (AuNP)-based drug delivery platform<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.

[1]. Saha Ray A, et al. Set of Highly Stable Amine- and Carboxylate-Terminated Dendronized Au Nanoparticles with Dense Coating and Nontoxic Mixed-Dendronized Form. *Langmuir*. 2019 Mar 5;35(9):3391-3403.

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

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