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**Product Data Sheet**

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Product Name: Biotin-PEG12-acid

Cat. No.: GC67569

**Chemical Properties**

Cas. No. 1621423-14-0

Formula C<sub>37</sub>H<sub>69</sub>N<sub>3</sub>O<sub>16</sub>S

M.Wt

844.02

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**

Biotin-PEG12-acid is a biotin-labeled, PEG-based PROTAC linker that can be used in the synthesis of PROTACs<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>.

[1]. Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

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

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