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**Product Data Sheet**

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Product Name: Bis-propargyl-PEG9

Cat. No.: GC67151

**Chemical Properties**

Cas. No. 1351373-47-1

Formula  $C_{24}H_{42}O_{10}$  M.Wt 490.58

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-propargyl-PEG9 is a **PEG**-based **PROTAC linker** used in the synthesis of PROTACs. Bis-propargyl-PEG9 can be used to synthesize the bivalent estrogen receptor ligands<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]. Shan M, et al. Conformational analysis of bivalent estrogen receptor ligands: from intramolecular to intermolecular binding. *ChemBiochem*. 2011 Nov 25;12(17):2587-98.

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

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