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**Product Data Sheet**

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Product Name: Propargyl-PEG1-acid

Cat. No.: GC65856

**Chemical Properties**

Cas. No. 55683-37-9

Formula  $C_6H_8O_3$  M.Wt 128.13

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**

Propargyl-PEG1-acid is a PEG-based PROTAC linker can be used in the synthesis of BTK-CRBN PROTACs Ibrutinib-based PROTAC 4 and PROTAC 5. PROTAC 5 causes the degradation of BTK and induces the degradation of CSK, LYN, and LAT2 at 10  $\mu M$ <sup>[1]</sup>.

BTK-CRBN PROTACs act as stoichiometric degraders, resulting in degradation of BTK protein. Degradation of BTK is a result of cereblon E3 ligases family recruitment<sup>[1]</sup>.

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

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