
Product Data Sheet

Product Name: Boc-gly-PEG3-endo-BCN

Cat. No.: GC66547

Chemical Properties

Cas. No. 2110444-63-6

Formula $C_{28}H_{47}N_3O_8$ M.Wt 553.69

Solubility Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Boc-gly-PEG3-endo-BCN is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[1]. Boc-gly-PEG3-endo-BCN is also a cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[2].

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]. ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[2].

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. *EBioMedicine*. 2018 Oct;36:553-562.

[2]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. *Nat Rev Drug Discov*. 2017 May;16(5):315-337.

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

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