
Product Data Sheet

Product Name: DBCO-NHCO-PEG4-acid

Cat. No.: GC67325

Chemical Properties

Cas. No. 1870899-46-9

Formula $C_{32}H_{40}N_2O_9$ M.Wt 596.67

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

DBCO-Amide-PEG5-acid is a PEG-based **PROTAC linker** can be used in the synthesis of PROTACs. DBCO-Amide-PEG5-acid is a cleavable **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs)^[1].

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.

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

[1]. Vukic Soskic, et al. Method for binding biologically active molecules to surfaces. DE102014215208A1.

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

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