
Product Data Sheet

Product Name: TCO-PEG4-DBCO

Cat. No.: GC66850

Chemical Properties

Cas. No. 1801863-88-6

Formula $C_{38}H_{49}N_3O_8$ M.Wt 675.81

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

TCO-PEG4-DBCO is a PEG-based **PROTAC linker** can be used in the synthesis of PROTACs. TCO-PEG4-DBCO 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]. Rahim MK, et al. Enhancing reactivity for bioorthogonal pretargeting by unmasking antibody-conjugated trans-cyclooctenes. *Bioconjug Chem.* 2015 Feb 18;26(2):352-60.

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

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