
Product Data Sheet

Product Name: Azido-PEG3-maleimide

Cat. No.: GC64056

Chemical Properties

Cas. No. 1858264-36-4

Formula C₁₅H₂₃N₅O₆ M.Wt 369.37

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

Azido-PEG3-maleimide is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Azido-PEG3-maleimide is also a cleavable 3 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]. Deshmukh AA, et al. Detection of Protease Activity by Fluorescent Peptide Zymography. J Vis Exp. 2019 Jan 20;(143).

[2]. Allo B, et al. Clickable and High-Sensitivity Metal-Containing Tags for Mass Cytometry. Bioconjug Chem. 2018 Jun 20;29(6):2028-2038.

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

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