
Product Data Sheet

Product Name: Azido-PEG4-Val-Cit-PAB-OH

Cat. No.: GC62856

Chemical Properties

Cas. No. 2055024-64-9

Formula C₂₉H₄₈N₈O₉ M.Wt 652.74

Solubility Storage

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-PEG4-Val-Cit-PAB-OH is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. Azido-PEG4-Val-Cit-PAB-OH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[2].

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

[1]. Dan N, et al. Antibody-Drug Conjugates for Cancer Therapy: Chemistry to Clinical Implications. Pharmaceuticals (Basel). 2018 Apr 9;11(2). pii: E32.

[2]. 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.

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

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