
Product Data Sheet

Product Name: Bis-PEG2-PFP ester

Cat. No.: GC67150

Chemical Properties

Cas. No. 1314378-18-1

Formula $C_{20}H_{12}F_{10}O_6$ M.Wt 538.29

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

Bis-PEG2-PFP ester is also a non-cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1]. Bis-PEG2-PFP ester 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]. Matthew David DOROSKI, et al. Cytotoxic peptides and antibody drug conjugates thereof. WO2013072813A2.

[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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