
Product Data Sheet

Product Name: m-PEG10-acid

Cat. No.: GC67238

Chemical Properties

Cas. No. 2409969-94-2

Formula C₂₂H₄₄O₁₂

M.Wt

500.58

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

m-PEG10-acid is a non-cleavable 10 unit PEG **ADC linker** used in the synthesis of antibody-drug conjugates (ADCs)^[1]. m-PEG10-acid 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]. John F. Donovan et al. Pegylated prodrugs of phenolic trpv1 agonists. WO2020023794A1.

[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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA