
Product Data Sheet

Product Name: BnO-PEG6-OH

Cat. No.: GC62535

Chemical Properties

Cas. No. 24342-68-5

Formula $C_{19}H_{32}O_7$ M.Wt 372.45

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

BnO-PEG6-OH is a non-cleavable 6 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). BnO-PEG6-OH is also a PEG-based PROTAC linker can be used in the synthesis of PROTACs[1][2].

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

[1]. Shaoyun Xiang, et al. Antibody drug conjugate, intermediate, preparation method, pharmaceutical composition and uses there. Patent WO2016197946A1.

[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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