

Product Data Sheet

Product Name: Azide-PEG3-Tos

Cat. No.: GC65444

Chemical Properties

Cas. No. 178685-33-1

Formula C₁₃H₁₉N₃O₅S

M.Wt 329.37

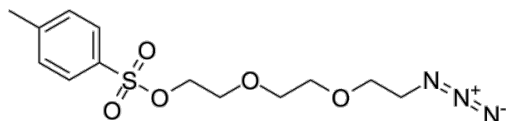
Solubility

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



Protocol

PEGs Non-cleavable

Background

Azide-PEG3-Tos is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Azide-PEG3-Tos is also a non-cleavable 3 unit PEG ADC linker used in the synthesis of antibody-

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

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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]. Borchmann DE, et al. GRGDS-Functionalized Poly(lactide)-graft-poly(ethylene glycol) Copolymers: Combining Thiol-Ene Chemistry with Staudinger Ligation. *Macromolecules*. 2013 Jun 11;46(11):4426-4431.

[2]. Park, Tae Kyo, et al. Compound bearing beta-galactoside-introduced self-immolative linker. WO2018124758A2.

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