

---

## Product Data Sheet

---

Product Name: Tr-PEG5-OH

Cat. No.: GC67168

### Chemical Properties

Cas. No. 141282-24-8

Formula  $C_{29}H_{36}O_6$  M.Wt 480.59

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

Tr-PEG5-OH is a non-cleavable 5 unit PEG **ADC** linker used in the synthesis of antibody-drug conjugates (ADCs). Tr-PEG5-OH is a PEG-based PROTAC linker can be used in the synthesis of PROTACs.

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker<sup>[1]</sup>.

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<sup>[1]</sup>.

[1]. Branderhorst HM, et al. Strong inhibition of cholera toxin binding by galactose dendrimers. Chem Commun (Camb). 2007 Dec 21;(47):5043-5.

[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