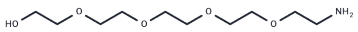
Data Sheet (Cat.No.T16314)

TargetMol

NH2-PEG5-OH

Chemical Properties



CAS No. : 34188-11-9

Formula: C10H23NO5

Molecular Weight: 237.29

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	NH2-PEG5-OH is a polyethylene glycol (PEG)-based PROTAC linker, utilized for the synthesis of PROTACs[1]. It is a 5-unit PEG ADC linker that is non-cleavable, and employed in the synthesis of antibody-drug conjugates (ADCs)[2].
Targets(IC50)	ADC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other to the target protein, utilizing the ubiquitin-proteasome system for selective protein degradation[1]. ADCs are antibodies linked to a cytotoxin through an ADC linker[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.2143 mL	21.0713 mL	42.1425 mL
5 mM	0.8429 mL	4.2143 mL	8.4285 mL
10 mM	0.4214 mL	2.1071 mL	4.2143 mL
50 mM	0.0843 mL	0.4214 mL	0.8429 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Nathanael Gray, et al. Bifunctional molecules for degradation of egfr and methods of use. WO2017185036A1.
Nianhe Han, et al. Derivatives of dolastatin 10 and uses thereof. WO2016192527A1.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481