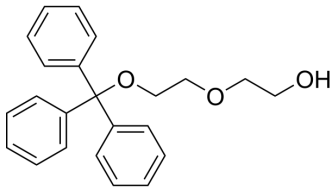
Tr-PEG2-OH

Cat. No.:	HY-114995
CAS No.:	105589-77-3
Molecular Formula:	$C_{23}H_{24}O_3$
Molecular Weight:	348.43
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



BIOLOGICAL ACTIVITY

Description	Tr-PEG2-OH is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1]. Tr-PEG2-OH is also a non-cleavable 2 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[2].	
IC_{50} & Target	Non-cleavable	PEGs
In Vitro	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]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. 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.

[2]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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