m-PEG10-alcohol

Cat. No.: HY-141218

CAS No.: 27425-92-9

Molecular Formula: $C_{21}H_{44}O_{11}$

Molecular Weight: 472.57

Target: ADC Linker; PROTAC Linkers

Pathway: Antibody-drug Conjugate/ADC Related; PROTAC

Storage:

Pure form	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month

BIOLOGICAL ACTIVITY

Description	m-PEG10-alcohol (Decaethylene glycol monomethyl ether) is a non-cleavable 10 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. m-PEG10-alcohol is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].	
IC_{50} & Target	PEGs	Non-cleavable Linker
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. 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]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Nnochiri Ekwuribe, et al. Calcitonin drug-oligomer conjugates, and uses thereof. US20040091452A1.

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