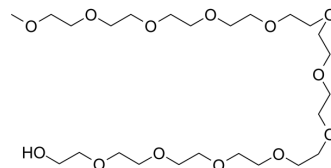


## m-PEG12-OH

<b>Cat. No.:</b>	HY-141220		
<b>CAS No.:</b>	2050595-03-2		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>52</sub> O <sub>13</sub>		
<b>Molecular Weight:</b>	560.67		
<b>Target:</b>	PROTAC Linkers; ADC Linker		
<b>Pathway:</b>	PROTAC; Antibody-drug Conjugate/ADC Related		
<b>Storage:</b>	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	m-PEG12-OH is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs <sup>[1]</sup> . m-PEG12-OH is also a non-cleavable 12 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) <sup>[2]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	PEGs	Non-cleavable Linker
<b>In Vitro</b>	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> . ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Kachbi-Khelfallah S, et al. Towards potential nanoparticle contrast agents: Synthesis of new functionalized PEG bisphosphonates. Beilstein J Org Chem. 2016 Jul 4;12:1366-71.

[2]. Hamura, Mika, et al. Branched monodispersed polyethylene glycol, intermediate, and method for producing same. WO 2019181984 A1.

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

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