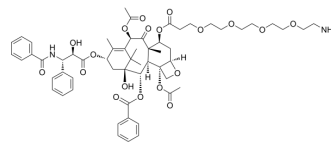


## 7-O-(Amino-PEG4)-paclitaxel

Cat. No.:	HY-141147		
Molecular Formula:	C <sub>58</sub> H <sub>72</sub> N <sub>2</sub> O <sub>19</sub>		
Molecular Weight:	1101.19		
Target:	Drug-Linker Conjugates for ADC		
Pathway:	Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

Description	7-O-(Amino-PEG4)-paclitaxel is a PEG-class Drug-linker conjugates for ADC, containing a paclitaxel moiety and a amino group. The amine group is reactive with carboxylic acids, activated NHS esters, carbonyls (ketone, aldehyde) etc. 7-O-(Amino-PEG4)-paclitaxel can be used in the synthesis of Antibody-Drug Conjugates (ADCs) <sup>[1]</sup> .
IC <sub>50</sub> & Target	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 <sup>[1]</sup> . 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

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

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