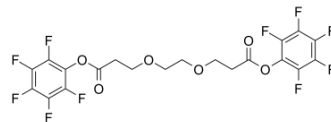


Bis-PEG2-PFP ester

Cat. No.:	HY-112560
CAS No.:	1314378-18-1
Molecular Formula:	C ₂₀ H ₁₂ F ₁₀ O ₆
Molecular Weight:	538.29
Target:	ADC Linker; PROTAC Linker
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

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

REFERENCES

[1]. Matthew David DOROSKI, et al. Cytotoxic peptides and antibody drug conjugates thereof. WO2013072813A2.

[2]. 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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