

## Bis-PEG2-PFP ester

## Chemical Properties

CAS No. : 1314378-18-1

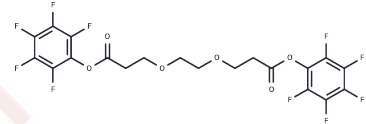
Formula: C<sub>20</sub>H<sub>12</sub>F<sub>10</sub>O<sub>6</sub>

Molecular Weight: 538.29

Keep away from direct sunlight

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Bis-PEG2-PFP ester is a non-cleavable 2-unit polyethylene glycol (PEG) linker employed in the synthesis of antibody-drug conjugates (ADCs) [1]. Additionally, Bis-PEG2-PFP ester serves as a PEG-based linker for the synthesis of proteolysis targeting chimeras (PROTACs) [2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody linked to a cytotoxin through an ADC linker[1]. PROTACs feature two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other to the target protein, utilizing the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8577 mL	9.2887 mL	18.5773 mL
5 mM	0.3715 mL	1.8577 mL	3.7155 mL
10 mM	0.1858 mL	0.9289 mL	1.8577 mL
50 mM	0.0372 mL	0.1858 mL	0.3715 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481