

Bis-PEG2-PFP ester

Chemical Properties

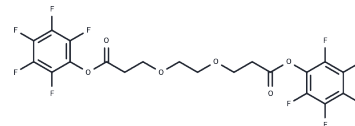
CAS No. : 1314378-18-1

Formula: C₂₀H₁₂F₁₀O₆

Molecular Weight: 538.29

Appearance: no data available

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



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)	Others
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].

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.

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

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