

Propargyl-C8-amido-PEG2-NHS ester

Chemical Properties

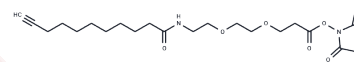
CAS No. : 1006592-59-1

Formula: C₂₂H₃₄N₂O₇

Molecular Weight: 438.51

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	Propargyl-C8-amido-PEG2-NHS ester is a non-cleavable linker comprising two PEG units, primarily employed for the synthesis of antibody-drug conjugates (ADCs). This compound is essential for conjugating antibodies to drugs, enabling the targeted delivery of therapeutic agents.
Targets(IC50)	ADC Linker
In vitro	ADCs consist of an antibody linked to an ADC cytotoxin via an ADC linker[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2804 mL	11.4022 mL	22.8045 mL
5 mM	0.4561 mL	2.2804 mL	4.5609 mL
10 mM	0.228 mL	1.1402 mL	2.2804 mL
50 mM	0.0456 mL	0.228 mL	0.4561 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

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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