

PTAD-PEG4-alkyne

Chemical Properties

CAS No. :

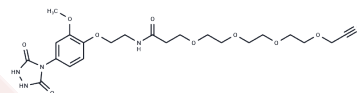
Formula: C₂₃H₃₂N₄O₉

Molecular Weight: 508.52

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	PTAD-PEG4-alkyne is a four-unit polyethylene glycol (PEG) linker compound, employed in the synthesis of antibody-drug conjugates (ADCs)[1]. It is cleavable and serves as a connecting structure between the antibody and the drug, facilitating targeted drug delivery.
Targets(IC50)	ADC Linker, PROTAC 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	1.9665 mL	9.8325 mL	19.6649 mL
5 mM	0.3933 mL	1.9665 mL	3.933 mL
10 mM	0.1966 mL	0.9832 mL	1.9665 mL
50 mM	0.0393 mL	0.1966 mL	0.3933 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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