

Methyltetrazine-PEG4-oxyamine

Chemical Properties

CAS No. :

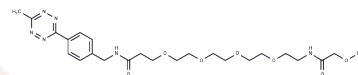
Formula: C₂₃H₃₅N₇O₇

Molecular Weight: 521.57

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	Methyltetrazine-PEG4-oxyamine is a 4-unit polyethylene glycol (PEG) linker employed in the synthesis of antibody-drug conjugates (ADCs), which are extensively used for targeted drug delivery [1]. This cleavable linker offers a means to efficiently attach drugs to antibodies and facilitate their controlled release at the target site.
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	1.9173 mL	9.5864 mL	19.1729 mL
5 mM	0.3835 mL	1.9173 mL	3.8346 mL
10 mM	0.1917 mL	0.9586 mL	1.9173 mL
50 mM	0.0383 mL	0.1917 mL	0.3835 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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