

Tetrazine-biotin

Chemical Properties

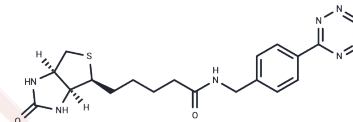
CAS No. : 1714123-51-9

Formula: C₁₉H₂₃N₇O₂S

Molecular Weight: 413.5

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	Tetrazine-biotin is a cleavable linker vital in ADC synthesis. Tetrazine-biotin joins cytotoxic drugs to antibodies, enabling precise delivery to cells or proteins. The cleavable nature ensures controlled drug release, optimizing ADC effectiveness.
Targets(IC50)	ADC Linker
In vitro	Antibody-drug conjugates (ADCs) consist of an antibody linked to a cytotoxic agent via an ADC linker[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4184 mL	12.0919 mL	24.1838 mL
5 mM	0.4837 mL	2.4184 mL	4.8368 mL
10 mM	0.2418 mL	1.2092 mL	2.4184 mL
50 mM	0.0484 mL	0.2418 mL	0.4837 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481