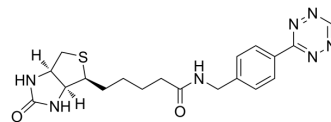


Tetrazine-biotin

Cat. No.:	HY-136095
CAS No.:	1714123-51-9
Molecular Formula:	C ₁₉ H ₂₃ N ₇ O ₂ S
Molecular Weight:	413.5
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (120.92 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
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	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Tetrazine-biotin is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1]. Tetrazine-biotin is a click chemistry reagent, it contains a Tetrazine group that can undergo an inverse electron demand Diels-Alder reaction (IEDDA) with molecules containing TCO groups.

IC₅₀ & Target

Cleavable Linker

In Vitro

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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