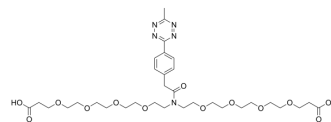


Methyltetrazine-amido-N-bis(PEG4-acid)

Cat. No.:	HY-151833
CAS No.:	2639395-39-2
Molecular Formula:	C ₃₃ H ₅₁ N ₅ O ₁₃
Molecular Weight:	725.78
Target:	ADC Linker
Pathway:	Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Methyltetrazine-amido-N-bis(PEG4-acid) is a click chemistry reagent containing an azide group. Methyltetrazine-amido-N-bis(PEG4-acid) is a PEG derivative that contains a methyltetrazine group and two acid groups. This reagent can react with TCO-containing compounds to form a stable covalent bond without the catalysis of Cu or elevated temperatures. The inverse-electron demand Diels-Alder cycloaddition reaction of TCO with tetrazines is the fastest bioorthogonal reaction with exceptional selectivity. The terminal carboxylic acid can react with primary amine groups in the presence of activators (e.g. EDC, or HATU) to form a stable amide bond. PEG linker increases the water solubility of the compound. Reagent grade, for research use only^[1]. Methyltetrazine-amido-N-bis(PEG4-acid) 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.

REFERENCES

[1]. Jiang X, et al. Recent applications of click chemistry in drug discovery. *Expert Opin Drug Discov.* 2019 Aug;14(8):779-789.

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

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