Tetrazine-PEG7-amine hydrochloride

Cat. No.: HY-148211

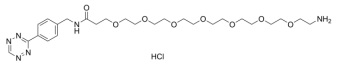
Molecular Formula: $C_{26}H_{43}ClN_6O_8$

Molecular Weight: 603.11

Target: ADC Linker

Pathway: Antibody-drug Conjugate/ADC Related

Storage: 4°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (331.61 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.6581 mL	8.2904 mL	16.5807 mL
	5 mM	0.3316 mL	1.6581 mL	3.3161 mL
	10 mM	0.1658 mL	0.8290 mL	1.6581 mL

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

BIOLOGICAL ACTIVITY

Description

Tetrazine-PEG7-amine hydrochloride is a cleavable 7 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)[1]. Tetrazine-PEG7-amine (hydrochloride) 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.

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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