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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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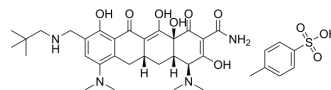
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Omadacycline tosylate (Standard)

Cat. No.:	HY-14865BR
CAS No.:	1075240-43-5
Molecular Formula:	C ₃₆ H ₄₈ N ₄ O ₁₀ S
Molecular Weight:	728.85
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Omadacycline (tosylate) (Standard) is the analytical standard of Omadacycline (tosylate). This product is intended for research and analytical applications. Omadacycline (PTK 0796) tosylate, a first-in-class orally active aminomethylcycline antibacterial, is a member of the tetracycline class of antibiotics. Omadacycline tosylate acts through the inhibition of bacterial protein synthesis by binding to the 30S ribosomal subunit. Omadacycline tosylate possesses broad-spectrum antibacterial activity against aerobic and anaerobic Gram-positive and Gram-negative bacteria, as well as atypical bacteria. Omadacycline tosylate can be used for the research of acute bacterial skin and skin-structure infections, community-acquired pneumonia, and urinary tract infections ^{[1][2][3][4]} .
IC₅₀ & Target	bacteria ^[1]

REFERENCES

- [1]. Durães F, et, al. Omadacycline: A Newly Approved Antibacterial from the Class of Tetracyclines. *Pharmaceuticals (Basel)*. 2019 Apr 21;12(2):63.
- [2]. Macone AB, et, al. In vitro and in vivo antibacterial activities of omadacycline, a novel aminomethylcycline. *Antimicrob Agents Chemother*. 2014;58(2):1127-35.
- [3]. Zhanel GG, et, al. Omadacycline: A Novel Oral and Intravenous Aminomethylcycline Antibiotic Agent. *Drugs*. 2020 Feb;80(3):285-313.
- [4]. Markham A, et, al. Omadacycline: First Global Approval. *Drugs*. 2018 Dec;78(18):1931-1937.
- [5]. Tanaka SK, et, al. In Vitro and In Vivo Assessments of Cardiovascular Effects with Omadacycline. *Antimicrob Agents Chemother*. 2016 Aug 22;60(9):5247-53.

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

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