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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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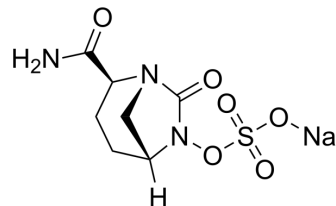
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Avibactam sodium (Standard)

Cat. No.:	HY-14879AR
CAS No.:	1192491-61-4
Molecular Formula:	C ₇ H ₁₀ N ₃ NaO ₆ S
Molecular Weight:	287.23
Target:	Beta-lactamase; Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Avibactam (sodium) (Standard) is the analytical standard of Avibactam (sodium). This product is intended for research and analytical applications. Avibactam sodium (NXL-104) is a covalent and reversible non- β -lactam β -lactamase inhibitor which inhibits β -lactamase TEM-1 and CTX-M-15 with IC ₅₀ s of 8 nM and 5 nM, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 5 nM (CTX-M-15), 8 nM (TEM-1) ^[1]

REFERENCES

- [1]. Ehmann DE, et al. Avibactam is a covalent, reversible, non- β -lactam β -lactamase inhibitor. Proc Natl Acad Sci U S A. 2012 Jul 17;109(29):11663-8.
- [2]. Livermore DM, et al. Characterization of β -lactamase and porin mutants of Enterobacteriaceae selected with ceftaroline + avibactam (NXL104). J Antimicrob Chemother. 2012 Jun;67(6):1354-8.
- [3]. Berkhout J, et al. Pharmacokinetics and penetration of GR20263 and avibactam into epithelial lining fluid in thigh- and lung-infected mice. Antimicrob Agents Chemother. 2015 Apr;59(4):2299-304.
- [4]. Zhang W, et al. In vitro and in vivo bactericidal activity of ceftazidime-avibactam against Carbapenemase-producing Klebsiella pneumoniae. Antimicrob Resist Infect Control. 2018 Nov 21;7:142.

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

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