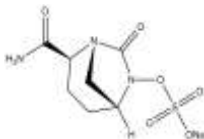


PRODUCT: Avibactam sodium**ALTERNATE NAME:** sodium;[(2S,5R)-2-carbamoyl-7-oxo-1,6-diazabicyclo[3.2.1]octan-6-yl] sulfate; NXL104**CATALOG #:** 9569-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₇H₁₀N₃NaO₆S**MOLECULAR WEIGHT:** 287.23**CAS NUMBER:** 1192491-61-4**APPEARANCE:** Crystalline solid**SOLUBILITY:** H₂O (>4.0 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and moisture**DESCRIPTION:** Avibactam (NXL104) is a potent inhibitor of class A and C serine β-lactamases, including KPC carbapenemases. NXL104 quantitatively inhibits BlaC, the only chromosomally encoded β-lactamase from *Mycobacterium tuberculosis*, by forming a carbamyl adduct with the enzyme.**REFERENCES:** Ehmann, D.E., *et al.* (2012). *Proc. Natl. Acad. Sci. USA* **109**, 11663-11668.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Beta-Lactamase Activity Colorimetric Assay Kit (**K803-100**)Beta-Lactamase Inhibitor Screening Kit (**K804-100**)Penicillin G Potassium, USP (**2504**)Penicillin G Sodium USP (**2503**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**