



LKT Laboratories, Inc.

Avibactam Sodium

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Product Information

Product ID A851322

CAS No. 1192491-61-4

Chemical Name sodium (1R,2S,5R)-2-carbamoyl-7-oxo-1,6-diazabicyclo[3.2.1]octan-6-yl sulfate

Synonym AVE-1330A, NXL104; Avibactam Sodium Salt

Formula C₇H₁₀N₃NaO₆S

Formula Wt. 287.22

Melting Point

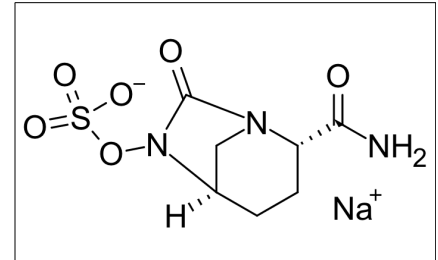
Purity ≥98%

Solubility Soluble in water (>140 mg/mL), DMSO (≥30mg/mL).

Store Temp -20° C

Ship Temp Ambient

Description Avibactam sodium is a diazabicyclooctane β-lactamase inhibitor. When avibactam is used in combination with ceftazidime, a β-lactam inhibitor, multidrug-resistant Gram-negative bacterial infections may be effectively treated. Avibactam has a potent activity against Class A and Class C and also some Class D β-lactamases, and is most often used to restore the activity of ceftazidime. However, bacteria may also develop resistance to new combinations over time, and various combinations have been investigated including avibactam paired with other antibacterials such as aztreonam or metronidazole.



Bulk quantities available upon request

Product ID	Size
A851322	5 mg
A851322	25 mg
A851322	100 mg

References Frohlich C, Sorum V, Thomassen AM, et al. OXA-48-Mediated ceftazidime-avibactam resistance is associated with evolutionary trade-offs. *mSphere*. 2019 Mar 27;4(2):pii: e00024-19. PMID: 30918055.

Sanz-Garcia F, Hernando-Amado S, Martinez JL. Mutation-driven evolution of pseudomonas aeruginosa in the presence of either ceftazidime or ceftazidime-avibactam. *Antimicrob Agents Chemother*. 2018 Sep 24;62(10). pii: e01379-18. PMID: 30082283.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.