

Methoctramine (hydrate) Biochemical

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CATALOG #
AAA227329

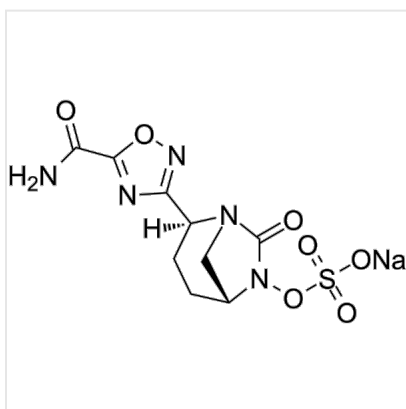
PRODUCT SYNONYMS

Methoctramine (hydrate); Methoctramine (hydrate) biochemical

PRODUCT SPECIFICATIONS

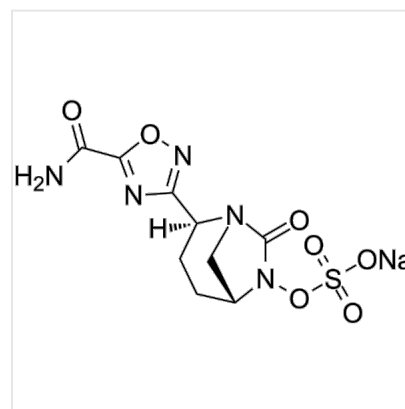
Purity/Purification	98%
Solubility	PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
In vitro	In vivo, methoctramine inhibits bradycardia and bronchoconstriction induced by acetylcholine in guinea pigs with ED50 values of 38 and 81 nmol/kg, respectively. In a rat model of spinal cord injury, methoctramine suppresses bladder overactivity induced by the non-selective muscarinic acetylcholine receptor agonist oxotremorine M.[3]
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

Antibacterial agent 61, CAS 1426572-69-1



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ADDITIONAL INFORMATION

Related Product Information for Methoctramine (hydrate) biochemical	Methoctramine is a selective antagonist of M2 muscarinic acetylcholine receptors (IC50 = 6.1 nM in CHO-K1 cell membranes).[1] It is selective for M2 over M1, M3, M4, and M5 receptors (IC50s = 92, 770, 260, and 217 nM, respectively).
References	1. Sachin Bhagwat, et al. 1,6- diazabicyclo [3,2,1] octan- 7 - one derivatives and their use in the treatment of bacterial infections. Patent WO2013030735A1.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.