

CAP 3 Biochemical | CAP3 biochemical

CAP 3

CATALOG #
AAA227352

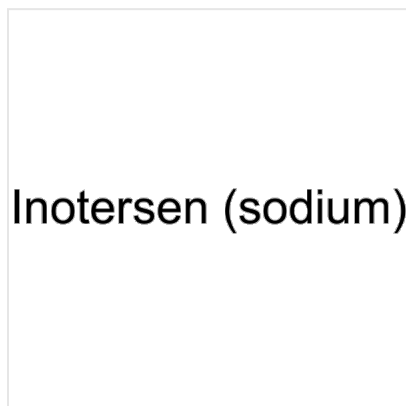
PRODUCT SYNONYMS

CAP 3; ISIS-420915 sodium; CAP3 biochemical

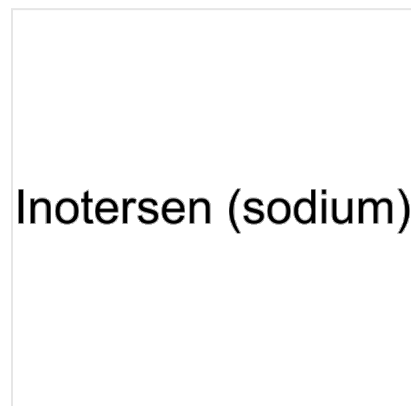
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF: 5 mg/mL
	PBS (pH 7.2): 3mg/mL
	DMSO: 10 mg/mL
	Ethanol: 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Inotersen sodium, CAS 1432726-13-0



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ADDITIONAL INFORMATION

Related Product Information for CAP3 biochemical

CAP 3 is a cholic acid-peptide conjugate (CAP) with antibacterial activity. It is active against the Gram-negative bacteria *E. coli*, *K. pneumoniae*, and *A. baumannii* (MIC99s = 8, 16, and 16 μ M, respectively). CAP 3 increases the fluidity of model Gram-negative bacterial membranes and binds to LPS in vitro. It reduces the biomass and number of colony-forming units in *E. coli* biofilms in a concentration-dependent manner. CAP 3 inhibits *E. coli* biofilm formation on catheters implanted in mice infected with *E. coli* at the incision site when applied as a coating on the catheters. CAP 3 (40 mg/kg) also reduces bacterial load in *E. coli*-infected wounds in mice. It is cytotoxic to A459 cells (IC50 = 56.4 μ M) and has hemolytic activity against human red blood cells with a 50% lysis (HC50) value of 48 μ M.

References

1. Ackermann EJ, et, al. Suppressing transthyretin production in mice, monkeys and humans using 2nd-Generation antisense oligonucleotides. *Amyloid*. 2016 Sep;23(3):148-157.
2. Mathew V, et, al. Inotersen: new promise for the treatment of hereditary transthyretin amyloidosis. *Drug Des Devel Ther*. 2019 May 6;13:1515-1525.
3. Benson MD, et, al. Inotersen Treatment for Patients with Hereditary Transthyretin Amyloidosis. *N Engl J Med*. 2018 Jul 5;379(1):22-31.

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.

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Online datasheet: <https://www.aaabiotech.com/cap3-biochemical/cap-3/227352>