
Product Data Sheet

Product Name: Inotersen sodium

Cat. No.: GC64308

Chemical Properties

Cas. No. 1432726-13-0

Formula

M.Wt

Solubility H₂O : 100 mg/mL (13.16 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Inotersen (ISIS-420915) sodium is a 2'-O-methoxyethyl-modified antisense oligonucleotide. Inotersen sodium inhibits the production of transthyretin (TTR) protein by targeting the TTR RNA transcript and reduces the levels of the TTR transcript. Inotersen sodium can be used for the research of hereditary TTR amyloidosis polyneuropathy[1][2][3].

Inotersen sodium (0.16-20 μM; 16 h) dose-dependently reduces TTR mRNA levels in HepG2 cells[1].

Inotersen sodium (10-100 mg/kg; s.c. twice a week for 4 weeks) reduces the plasma TTR protein by >80% in transgenic mice bearing the Ile84Ser human TTR mutant[1].

[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.

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

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