

Product Data Sheet

Product Name: Nusinersen sodium

Cat. No.: GC70351

Chemical Properties

Cas. No.

Formula $C_{234}H_{322}N_{61}Na_{18}O_{128}P_{17}S_{17}$ M.Wt 7522.85

Solubility H_2O : ≥ 10 mg/mL (1.33 mM) Storage $-20^{\circ}C$, stored under nitrogen, away from moisture

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Nusinersen (sodium)

Background

Nusinersen sodium is an antisense oligonucleotide agent that modifies pre-messenger RNA splicing of the SMN2 gene and thus promotes increased production of full-length SMN protein.

References:

[1]. Richard S Finkel, et al. Nusinersen versus Sham Control in Infantile-Onset Spinal Muscular Atrophy. N Engl J Med. 2017 Nov 2;377(18):1723-1732.

[2]. Laura Torres-Benito, et al. NCALD Antisense Oligonucleotide Therapy in Addition to Nusinersen

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

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further Ameliorates Spinal Muscular Atrophy in Mice. Am J Hum Genet. 2019 Jul 3;105(1):221-230.

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