
Product Data Sheet

Product Name: Casimersen

Cat. No.: GC64361

Chemical Properties

Cas. No. 1422958-19-7

Formula

M.Wt

Solubility H₂O : 100 mg/mL (13.19 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**

Casimersen (SRP-4045) is an antisense oligonucleotide of the phosphorodiamidate morpholino oligomer subclass. Casimersen binds to exon 45 of dystrophin pre-mRNA, restores the open-reading frame (by skipping exon 45) resulting in the production of an internally truncated but functional dystrophin protein. Casimersen can be used for the research of Duchenne muscular dystrophy (DMD)[1].

Exon 45 skipping is intended to allow for production of an internally truncated dystrophin protein in patients with genetic mutations that are amenable to exon 45 skipping[2].

[1]. Shirley M. Casimersen: First Approval. *Drugs*. 2021;81(7):875-879. [2]. Casimersen. *Am J Health Syst Pharm*. 2021;78(13):1149-1150.

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

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