
Product Data Sheet

Product Name: Fomivirsen

Cat. No.: GC67756

Chemical Properties

Cas. No. 144245-52-3

Formula $C_{204}H_{263}N_{63}O_{114}P_{20}S_{20}$

M.Wt 6682.4

Solubility

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

Fomivirsen (ISIS-2922 free base) is an antisense 21 mer phosphorothioate oligonucleotide. Fomivirsen is an antiviral agent that is used cytomegalovirus retinitis (CMV) research, including in AIDs. Fomivirsen binds to and degrades the mRNAs encoding CMV immediate-early 2 protein, thus inhibiting virus proliferation^{[1][2]}.

[1]. M D de Smet, et al. Fomivirsen- a phosphorothioate oligonucleotide for the treatment of CMV retinitis. Ocul Immunol Inflamm. 1999 Dec;7(3-4):189-98.

[2]. Anna Kilanowska, et al. In vivo and in vitro studies of antisense oligonucleotides - a review. (Review Article) RSC Adv., 2020, 10, 34501-34516.

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

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