

Fomivirsen sodium Biochemical

Fomivirsen sodium

CATALOG #
AAA227815

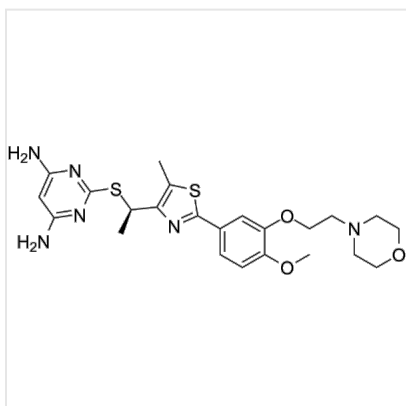
PRODUCT SYNONYMS

Fomivirsen sodium; Fomivirsen sodium biochemical

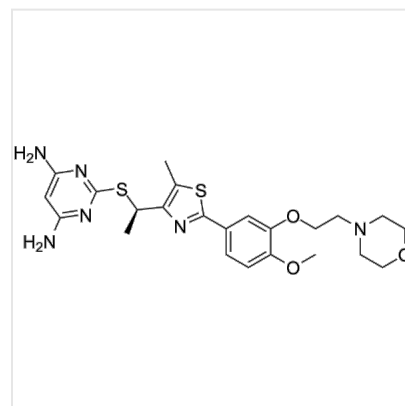
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	160369-77-7
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Antisense oligonucleotide acts a complementary nucleotide to the messenger RNA of the major immediate-early region proteins of human cytomegalovirus, it disrupts the replication of the virus through an antisense mechanism[1].Fomivirsen is 21-mer phosphorothioate ASO with CpG motif near its 5' end, with the sequence 5'-GCG TTT GCT CTT CTT CTT GCG-3', resulting in mRNA degradation by RNase H-mediated mechanism[2].Fomivirsen inhibits CMV replication in human retinal pigment epithelial (RPE) cells and in human fibroblast cells (MRC-5 cells) in a dose-dependent manner. The mean IC 50 are 0.03 uM for RPE cells and 0.2 uM for MRC5 cells[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
DI-87, CAS 2107280-55-5



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ADDITIONAL INFORMATION

Related Product Information for Fomivirsen sodium biochemical	Fomivirsen sodium is an antisense 21 mer phosphorothioate oligonucleotide. Fomivirsen is an antiviral agent that is used cytomegalovirus retinitis (CMV) research, including in AIDs. Fomivirsen sodium binds to and degrades the mRNAs encoding CMV immediate-early 2 protein (required for viral replication), thus providing bioactive effects for CMV retinitis by inhibition of virus proliferation.
References	1. Soumya Poddar, et al. Development and Preclinical Pharmacology of a Novel dCK Inhibitor, DI-87. Biochem Pharmacol. 2020 Feb;172:113742.

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://stage.aaabiotech.com/biochemical/fomivirsen-sodium/227815>