
Product Data Sheet

Product Name: Mipomersen sodium

Cat. No.: GC64307

Chemical Properties

Cas. No. 629167-92-6

Formula

M.Wt

Solubility H₂O : 100 mg/mL (13.17 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

Mipomersen (sodium) is a second-generation 20-base phosphorothioate ASO targeted to human apoB-100[1][2].

Mipomersen predominantly distributes to the liver and decreases the production of apoB-100, the primary structural protein of the atherogenic lipoproteins including low density lipoprotein (LDL), thereby reducing plasma LDL-cholesterol and apoB-100 concentrations[2]. Apolipoprotein (apo) B, a large amphipathic protein, plays a fundamental role in human lipoprotein metabolism. ApoB-100 is also a ligand for LDL receptor-mediated endocytosis of LDL by cells[2].

[1]. Philip Hair, et al. Mipomersen sodium: first global approval. *Drugs*. 2013 Apr;73(5):487-93.

[2]. Damon A Bell, et al. Mipomersen, an antisense apolipoprotein B synthesis inhibitor. *Expert Opin Investig Drugs*. 2011 Feb;20(2):265-72.

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

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