

Product Data Sheet

Product Name: Zotadirsen

Cat. No.: GC81614

Chemical Properties

Cas. No.

Formula

M.Wt 8467.8

Solubility

Storage Store at -20°C, away from moisture

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

Zotadirsen

Background

Zotadirsen is the core component of the AOC drug Delpacibart zotadirsen (AOC1044), consisting of a phosphorodiamidate morpholino oligonucleotide (PMO) targeting exon 44 of the dystrophin gene and an SMCC linker. Upon conjugation with the anti-TfR1 antibody Delpacibart, Zotadirsen exerts splicing regulatory activity and mediates exon skipping. Zotadirsen can be used in studies related to AOC synthesis [1] [2].

In Vivo, Zotadirsen, which composes Delpacibart zotadirsen (AOC1044), can accumulate in muscle tissue to reach therapeutically effective concentrations^[1]. Zotadirsen, the active oligonucleotide

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

component of Delpacibart zotadirsen (5–10 mg/kg), induces exon 44 skipping in a dose-dependent manner, elevates dystrophin expression in DMD44 subjects, reduces serum markers of muscle injury, and exhibits favorable safety and tolerability profiles^[2].

References:

- [1]. Tang A, et al. Brogirdirsen and Exon 44 Skipping for Duchenne Muscular Dystrophy: Advances and Challenges in RNA-Based Therapy. *Genes*. 2025 Jun 30;16(7):777.
- [2]. Veerapandiyar A, et al. 674P Delpacibart zotadirsen (del-zota) increased dystrophin and improved muscle integrity markers regardless of ambulatory status in individuals with DMD44. *Neuromuscular Disorders*, 2025, 53(Supplement): 105650.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA