

---

**Product Data Sheet**

---

Product Name: Lademirsen

Cat. No.: GC65289

**Chemical Properties**

Cas. No. 1404019-95-9

Formula M.Wt 6429.3

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**

Lademirsen (SAR339375; RG-012) is a single stranded, chemically modified oligonucleotide that binds to and inhibits the function of miR-21. Lademirsen has the potential for Alport nephropathy research[1][2].

Administration of Lademirsen (SAR339375; RG-012) to inhibit miR-21 leads to a slowed progression of renal fibrosis and an increased lifespan in Alport syndrome mouse models[1].

[1]. Ivan G Gomez, et al. Anti-microRNA-21 oligonucleotides prevent Alport nephropathy progression by stimulating metabolic pathways. J Clin Invest. 2015 Jan;125(1):141-56.

[2]. Chiranjib Chakraborty, et al. Therapeutic advances of miRNAs: A preclinical and clinical update. J Adv Res. 2020 Aug 29;28:127-138.

**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