
Product Data Sheet

Product Name: OF-02
Cat. No.: GC64776

Chemical Properties

Cas. No. 1883431-67-1

Formula C84H152N4O6

M.Wt 1314.13

Solubility DMSO : 100 mg/mL (76.10 mM; ultrasonic and warming and heat to 60°C)

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

OF-02 is an ionizable cationic amino lipid that has been used in combination with other lipids in the formation of lipid nanoparticles (LNPs) for the delivery of mRNA.¹ LNPs containing OF-02 localize to the liver after intravenous administration in mice. Intravenous administration of LNPs containing OF-02 and encapsulating human erythropoietin (EPO) mRNA increases serum EPO levels in mice.

1. Fenton, O.S., Kauffman, K.J., McClellan, R.L., et al. Bioinspired alkenyl amino alcohol ionizable lipid materials for highly potent in vivo mRNA delivery. *Adv. Mater.* 28(15):2939-2943(2016)

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