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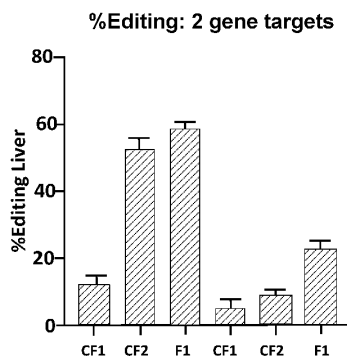
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(54) Title: IONIZABLE LIPIDS, LIPID NANOPARTICLES, AND USES THEREOF



(57) Abstract: Ionizable lipids and lipid nanoparticles comprising ionizable lipids are provided herein. Also provided are methods for making and using the lipid nanoparticles for delivery to a cell one or more payload agents, including polypeptides, mRNAs such as mRNA encoding Cas9 nuclease, and guide RNAs comprising backbone, sugar or base modifications.

FIG. 1

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