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(54) Title: IONIZABLE AMINE LIPIDS

(57) Abstract: The disclosure provides ionizable lipids and lipid nanoparticle (LNP) compositions comprising ionizable lipids, helper lipids, neutral lipids, and PEG lipids useful for the delivery of biologically active agents, for example delivering biologically active agents to cells to prepare engineered cells. The LNP compositions disclosed herein are useful in methods of gene editing and methods of delivering a biologically active agent and methods of modifying or cleaving DNA.

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