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(54) **Title:** METHODS AND COMPOSITIONS FOR DENDRITIC CELL TARGETING VACCINES

(57) **Abstract:** The present disclosure provides novel compounds, methods, and cell targeting mRNA vaccine formulations for targeted delivery, such as delivery to dendritic cells. The compound and formulation provided herein are designed to have a targeting moiety configured to provide selective delivery features specific for dendritic cells and a lipid tail for incorporated into the bilayer membrane of the formed lipid nanoparticle.

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