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(54) Title: IONIZABLE LIPIDS

(57) Abstract: The present invention generally relates to the field of ionizable (also termed cationic) lipids, and in particular provides a novel type of such lipids as represented by formula (I). The present invention further provides methods for making such lipids as well as uses thereof, in particular in the preparation of nanoparticle compositions, more in particular nanoparticle compositions comprising nucleic acids. It further provides vaccine formulations comprising nanoparticle compositions based on the ionizable lipids disclosed herein.

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