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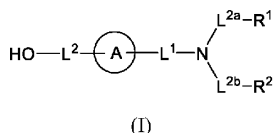
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(54) Title: LIPIDS FOR USE IN LIPID NANOPARTICLE FORMULATIONS



(57) Abstract: Compounds are provided having the following Structure (I) or a pharmaceu-
tically acceptable salt, tautomer, or stereoisomer thereof, wherein R^1 , R^1 , L^1 , L^2 , L^{2a} , L^{2b} ,
and A are as defined herein. Use of the compounds as a component of lipid nanoparticle
formulations for delivery of a therapeutic agent, compositions comprising the compounds
and methods for their use and preparation are also provided.

WO 2024/233387 A1