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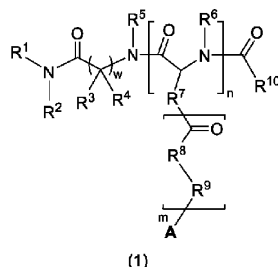
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(54) Title: A COMPOUND FOR PREPARING LIPID NANOPARTICLES ENCAPSULATING AN AGENT, NANOPARTICLE COMPOSITION COMPRISING SAID COMPOUND AND RELATED METHODS THEREOF



(57) Abstract: There is provided a compound represented by general formula (1) for preparing lipid nanoparticles encapsulating a therapeutic, prophylactic and/or biological agent: wherein A comprises a carbohydrate and/or a derivative thereof; R1 and R2 are each independently a hydrophobic group; R3, R4, R5, and R6 are each independently H, optionally substituted alkyl, optionally substituted alkenyl or optionally substituted alkynyl; R7, R9 and R10 are each independently optionally substituted alkyl, optionally substituted alkenyl or optionally substituted alkynyl; R8 is —O—, —S—, or —NRa—, where Ra is selected from the group consisting of H, optionally substituted alkyl, optionally substituted alkenyl or optionally substituted alkynyl; m is 0 or 1; n ≥ 1; and w ≥ 1.

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