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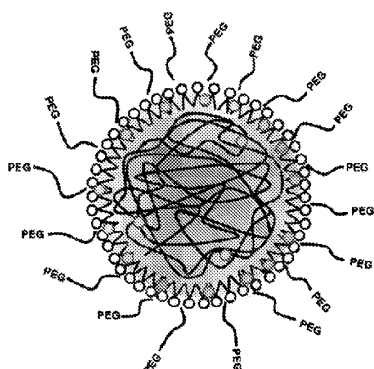
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(54) Title: LIPID-POLYMER HYBRID NANOPARTICLES

Fig. 1



(57) Abstract: Present disclosure describes a lipid polymer hybrid nanoparticle and a method to synthesize such nanoparticles or such nanoparticle-containing compositions. The nanoparticles are made of biodegradable polymer based micellar core surrounded by lipid-based shell, wherein majority of a pharmaceutical agent is present on the inner periphery of such nanoparticles due to physical adherence with the lipid molecules. Only a minor amount of the pharmaceutical agent is encapsulated in the micellar core. Hence, the lipid-based shell becomes a primary excipient part of the nanoparticle and the biodegradable polymer containing core becomes a secondary excipient part of the nanoparticle.