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Abstract:

PRIMAQUINE PHOSPHATE LOADED CHITOSAN NANOPARTICLES AND PREPARATION METHOD THEREOF The present invention relates to primaquine phosphate loaded chitosan nanoparticles. The present invention also provides a process for the preparation of primaquine phosphate loaded chitosan nanoparticles. The formulation of primaquine phosphate loaded chitosan nanoparticles comprises of primaquine phosphate; chitosan; and sodium tripolyphosphate. The process for the preparation of primaquine phosphate loaded chitosan nanoparticles comprises of dissolving chitosan in acetic acid; dissolving primaquine phosphate in chitosan, dissolving sodium tripolyphosphate; adding sodium tripolyphosphate in chitosan drug solution, stirring and recovering the nanoparticles by centrifugation of the formulation. The primaquine phosphate loaded chitosan nanoparticles of present invention have sustained drug release profile for up to 24 hours.