NANOLIPOSOMES FOR SUSTAINED DELIVERY OF TACROLIMUS FOR TREATMENT OF ANTERIOR SEGMENT EYE DISEASES

ABSTRACT

According to the present disclosure, the use of a nanoliposome in the manufacture of a medicament for the prophylaxis and/or treatment of anterior segment ocular diseases is provided. The nanoliposome comprises a plurality of unsaturated and/or saturated lipids forming at least one lipid bilayer encapsulating a hydrophobic drug comprising tacrolimus, wherein the hydrophobic drug and the plurality of unsaturated and/or saturated lipids have a weight ratio of up to 0.2. The present disclosure also provides for such a nanoliposome and a method of preventing and/or treating anterior segment ocular diseases based on the nanoliposomes.

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