ABSTRACT

NANOPARTICULATE LEUKOTRIENE RECEPTOR ANTAGONIST/CORTICOSTEROID FORMULATIONS

Nanoparticulate compositions comprising a corticosteroid and a leukotriene receptor antagonist are described. The compositions are useful in the prophylaxis and chronic treatment of asthma in adults and pediatric patients and for the relief of allergic conjunctivitis, symptoms of seasonal allergic rhinitis in adults and pediatric patients. Combining a leukotriene receptor antagonist with a corticosteroid in particle size ranges of less than 2000 n in a single formulation results in improved efficacy. In addition, patient compliance is enhanced since only one dosage form is needed. Furthermore, local administration of the leukotriene receptor antagonist results in less liver toxicity since the liver will be exposed to lower amounts of drug than happens following oral administration. The drug compositions according to the invention can be formulated into inhalation, nasal, or ocular formulations.

FIG. NONE