

DEVELOPMENT AND EVALUATION OF FAST DISSOLVING ORAL FILMS OF MECLIZINE HCl

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Abstract

Vertigo is a very common disturbance of an inner ear that is caused by certain health conditions, medications, motion sickness. Most medications for motion sickness need to be taken at least 30 minutes prior exposure to the activity it will need to solve problem. This project is based on the hypothesis that fast Dissolving Films are rapidly dissolving dosage forms which when placed in the mouth release the drug immediately. These dosage forms would be preferred by paediatric and geriatric patients since these are not associated with fear of choking. The fast dissolving films prepared by solvent casting method with suitable appearance, mechanical strength, peel ability and disintegration time were obtained using gelatine as a natural primary film former. Meclizine HCl, a poorly water soluble and bitter drug could be successfully incorporated in the fast dissolving films with the help of natural solubilizer such as dehydrated banana powder and PEG-400.

Keywords: Meclizine HCl, Gelatine, Dehydrated banana powder, PEG-400, Mannitol, Solvent Casting Method