Paper Citation

The present study deals with the preparation of "Fabrication and evaluation of novel microbeads loaded gel for mouth ulcer" using ascorbic acid as a drug and menthol as a cooling agent. This product imparts therapeutic effect at affected parts of oral cavity for treatment of mouth ulcer. Mucoadhesive gel has been prepared by using polymer like carbopol 940 as a gelling agent. In this preparation we used glycerol as a solvent. Ascorbic acid used as an antioxidant and helps fighting bacterial infection and maintains blood pressure. It could treat mouth ulcer effectively with improved patient compliance and reduced side effect and toxic effect.

The present work focuses on the mucoadhesive drug delivery systems based on adhesion to biological surfaces that are covered by mucus. There are lots of advantages of mucoadhesive drug delivery system to make this a novel drug delivery system designed for the local as well as systemic administration of various drugs. The major advantage of this drug delivery system is that it prolongs the dwelling time of the dosage form at the site of appliance. Due to the high blood deliver and relatively high permeability of the buccal mucosa, the buccal cavity is the preeminent choice for both local as well as systemic delivery of the many drugs.

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