

Formulation and Evaluation of Ornidazole Topical Emulgel

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Abstract: *Emulgels have emerged as promising topical drug delivery system for the delivery of hydrophobic drugs via skin. The objective of study was to prepare the drug ornidazole as emulgel. When we are preparing emulsions individually shows stability problems during manufacturing and storage that effect on drug release pattern. In order to increase the stability we are incorporated as emulgel. Ornidazole is a anti protozoal drug use for the treatment of some protozoal infections, stomach, intestine, genital area and certain strains of anaerobic bacteria, used to prevent possible infections during a surgical procedure. The present study was to formulate and evaluate the topical ornidazole emulgel. In this study we develop emulgel form of ornidazole using three different types of oils such as clove oil, mentha oil, and liquid paraffin and the gelling agents such as Carbapol 934, HPMC, Sodium alginate and evaluated for physical properties includes color, structure, solubility, homogeneity, consistency, swelling index and PH and in vitro drug release patterns etc. among all the formulations F3 formulation.*

Keywords: Emulgels, Topical Drug Delivery, Ornidazole

