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(57) Abstract :

The present invention relates to the formulation and evaluation of Itraconazole loaded vesicular gel for the effective treatment of topical fungal infections. Itraconazole loaded lipid vesicles were prepared by cold method using different concentrations (1%-2%) of phospholipid (Lipoid 75-S) and ethanol (10%-30%). Optimized vesicles (EF5) with vesicle size 220.72nm, polydispersity index 0.651 and entrapment efficiency 70.92±1.62% was selected to be incorporated in to the carbopol gel base compared with controlled gel, hydroethanolic gel and marketed gel formulation of Itraconazole. The prepared gel formulations were evaluated for organoleptic character, pH, drug content and release. Results of antifungal activity, had showed that more antifungal activity was exerted by lipid vesicular gel as more value of inhibition zone than hydroethanolic gel and controlled gel. The Itraconazole loaded lipid vesicles are promising carrier for the topical delivery in the treatment of fungal disorders.

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