

Formulation and Evaluation of Ketoconazole Loaded Transdermal Gel using Natural Penetration Enhancer

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Abstract : Drug delivery via oral route is the most commonly used route for administration of drug but owing to various imitations of oral administration including GI irritation and other side effects research is being carried out for other routes of delivery Transdermal route is such route which is very easy to administer and without any side effects However the main demerit of the route is that a the drugs can't cross the skin barrier and penetration of drugs is poor To increase the penetration of drugs across the skin absorption promoters or penetration enhancers have been used chemical penetration enhancers are mainly used in topical formulation which may cause various side effects including skin irritation, rashes etc The current research is focused on exploring a natural penetration enhancer for increasing the penetration of the drug across skin using Ketoconazole, a synthetic imidazole antifungal drug used primarily to treat fungal infections as mode drug in emulgel.

Keywords: Ketoconazole, Transdermal Gel, Natural Penetration Enhancer.

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