

Formulation and Evaluation of Transdermal Patch of Pirfenidone

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Abstract: The purpose this research was to formulate a transdermal patch therapeutic system containing Pirfenidone with different ratios of polymeric systems by the solvent evaporation method. Different concentrations of plasticizer and penetration enhancer were used. In this work the physicochemical compatibility of the drug and the polymer were studied using infrared spectroscopy which showed absence of any interaction of the drug with the excipients. The formulated transdermal patches were subjected for evaluation with regard to physical appearance, weight variation, thickness, drug content, flatness, and folding endurance. All the prepared formulations indicated 0 % constriction of the transdermal patches and indicating % flatness of the transdermal patches.

Keywords: Pirfenidone, Transdermal Patch, etc.

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