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Patent Search

Invention Title	NOVEL MICROSPONGE LOADED GEL TO TREAT VARIOUS FUNGAL INFECTIONS		
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Abstract:			
The present invention relates to transdermal delivery, of itraconazole. The work involves the drug itraconazole which is antifungal. The micro sponge technology used to facilitate the controlled release of active drug into the skin in order to reduce the systematic exposure and minimize local cutaneous reactions of active drugs. The main objective of the work was to design and evaluate the gel formation of microsp sponge entrapped Itraconazole to increase the effectiveness of the treatment.			

Complete Specification

Claims:1. A transdermal composition comprising:

- a. Itraconazole microsponge
 - b. Carbapol 940
 - c. Propylene glycol
 - d. Methanol
 - e. Methyl paraben
 - f. Propyl paraben
 - g. Triethanolamine
2. The transdermal composition as claimed in claim 1, wherein Itraconazole microsponge is 1%w/w.
 3. The transdermal composition as claimed in claim 1, wherein Carbapol 940 is 0.5%w/w.
 4. The transdermal composition as claimed in claim 1, wherein propylene glycol is 0.25%w/w.
 5. The transdermal composition as claimed in claim 1, wherein methanol is 2.5%w/w.
 6. The transdermal composition as claimed in claim 1, wherein Methyl paraben is 0.03%w/w.
 7. The transdermal composition as claimed in claim 1, wherein Propyl paraben is 0.01%w/w.
 8. The transdermal composition as claimed in claim 1 wherein Triethanolamine is added to adjust the pH

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(57) Abstract :

The present invention relates to transdermal delivery, of itraconazole. The work involves the drug Itraconazole which is antifungal. The micro sponge technology used to facilitate the controlled release of active drug into the skin in order to reduce the systematic exposure and minimize local cutaneous reactions of active drugs. The main objective of this work was to design and evaluate the gel formation of microsp sponge entrapped Itraconazole to increase the effectiveness of the treatment.

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