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(57) Abstract :

The present invention is claimed to increase spreadability as well as washability by formulating lipophilic, greasy and odorous neem oil loaded transeosomal gel. The formulation also successfully masked the greasiness and sulfur/garlic odour of medicinally and cosmetically important neem oil. Neem oil is lipophilic on topical application, but due to its' greasy and odorous nature, there is poor acceptability and compliance. Therefore, the present study is designed for a novel transdermal drug delivery of neem oil by entrapping it into transeosomal vesicular carrier, before final formulation of its gel. Oil loaded transeosomal gel was not only easily washable but also successfully masked the sulfurous odor and hence could have potential application in the field of herbonanocuticals to enhance the acceptance and compliance of neem oil.

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