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## Emulgel Formulation for Diverse Disease: Investigating Potential Active Ingredient: A Review

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### ABSTRACT

Applying a drug-containing formulation topically to treat a cutaneous ailment is known as topical drug delivery. When alternative drug delivery methods (oral, sublingual, rectal, and parental) are ineffective or a local skin infection such as a fungal infection occurs, this method is employed. For both local and systemic disorders, topical medication delivery is a popular therapeutic approach. The medication is absorbed by the skin and gets to the site of action in the topical delivery system to produce a therapeutic effect. The physiological characteristics of the carrier directly influence the rate of drug release from a topical preparation [1]. A topical delivery systems main advantage is that it circumvents first-pass metabolism. Particle size is the basis for the term "microemulsion." The drug particles can readily diffuse through the skin and reach their site of action because of their reduced size. The gel will help with the drug's prolonged release and retain the microemulsion for a long time [2].

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