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Ethosome Formation and Characterization: A Review of Methods and Techniques

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Abstract:-. Elastic, phospholipid-based nanovesicles with 20–45% ethanol are called ethosomes. Ethosomes are vesicular systems with beneficial properties. They have better bioavailability for both hydrophilic and lipophilic medications due to their bilayer makeup (aqueous and lipid). Deeper stratum corneum and deeper skin layers with a high transdermal flow can be reached by the loaded medication due to stearic stability caused by greater ethanol concentrations (30–45%). The best vehicles for topical drug delivery are ethosomes because they are easy to make, non-irritating, efficient more stable greater than other vesicular systems previously created and more successful in capturing a range of pharmacological compounds having various levels of hydrophilia and lipophilicity. The application of ethosomal transporters presents researchers with a number of opportunities and challenges for further research

Keywords:- Transdermal administration of proteins, peptides, ethosomes, and skin interaction, Phospholipids.

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