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REVIEWER'S REPORT

Manuscript No.: IJAR-52999

Date: 25.07.25

Title: A Review on Ethosomes: A Novel Approach to Enhancing Transdermal Drug Delivery,

Recommendation:

Accept as it is YES

Accept after minor revision...

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Po
Originality			√	
Techn. Quality			√	
Clarity		√		
Significance		√		

Reviewer Name: PROF DR DILLIP KUMAR MOHAPATRA

Date: 25.07.25

Detailed Reviewer's Report

This review article provides a comprehensive overview of ethosomes, a novel vesicular carrier system designed for enhanced transdermal drug delivery. Ethosomes have shown promising results in treating various conditions, including skin disorders and systemic diseases. Their unique composition enables the delivery of both hydrophilic and lipophilic drugs through the skin, offering significant advantages over traditional drug delivery systems.

Future Directions

- Optimization of Formulations:** Exploring novel excipients and stabilizers to enhance vesicle stability.
- Green Synthesis Methods:** Developing eco-friendly processes to reduce environmental impact.
- Advanced Delivery Systems:** Combining ethosomes with other nanocarriers for synergistic effects.

Conclusion

Ethosomes represent a promising approach in transdermal drug delivery, offering enhanced skin permeation, improved bioavailability, and high

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encapsulation efficiency. Further research is needed to overcome the challenges associated with ethosomes and explore their full potential in various therapeutic applications.