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Effect of surfactant on skin permeation study of proniosomal gel

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Transdermal Proniosomal Gel showed good sustained release properties. The results of the present study demonstrated that Enalapril maleate can be considered for transdermal patch containing HPMC as polymer & Span 80 as permeation enhancer; and for proniosomal gel containing excipients such as lecithin, cholesterol, and surfactants like span 20, 80 and tween 20, 80 in combination for sustained release of the drug over a period of 24 hrs for the management of hypertension. The proniosomal gel systems have shown great potential for delivery of anti-hypertensive drugs. The proniosomal gel also appears to be an effective alternative vehicle for delivering a drug through the topical and transdermal route. These systems hold a promising future in effective transdermal delivery of bioactive agents and other problematic drug molecules. In future, it has wide range of applications and opportunities for clinicians to experiment with various drugs to study their systemic and local effects.

Biography

Rangasamy Natarajan has completed his MPharmacy from The Tamilnadu Dr M G R Medical University, Chennai and PhD studies from Vinayaka Missions University, Salen. He is the Director of Research in the Department of Pharmaceutics, a premier organization for women. He has published more than 27 papers in reputed journals and has presented more than 60 posters in the conferences and workshops.

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