

Transdermal matrices modified with proteins and peptides containing adaptogens

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Transdermal matrices modified with proteins and peptides containing adaptogens represent a promising approach in skin therapy and care. Adaptogens, known for their antioxidant properties and stress-resistance benefits, have been incorporated into transdermal matrices to support skin regeneration and protection. Modification with proteins and peptides enhances the stability and efficacy of active ingredient transport across the skin barrier, enabling gradual and controlled release. The study examined the physicochemical properties, stability of the matrices, and the effectiveness of adaptogens in reducing oxidative stress and supporting skin regeneration processes. Results indicate that these matrices could be an effective tool in treating inflammatory conditions and skin aging processes, opening new possibilities for applications in dermatological and cosmetic products. The potential of this technology could contribute to the development of innovative therapies that support skin health.

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