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# A Review on Novel Vesicular Drug Delivery System: Proniosomes

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Review Article

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## Abstract

Nanotechnology has brought about a scientific revolution which has led to the creation of novel dosage forms such as niosomes, liposomes, and proniosomes. This article provides a detailed analysis of proniosomes, which are the formulation of the dry surfactant coated particles that form niosomal dispersion in a hot aqueous medium immediately on agitation. Provesicular structures such as proniosomes, mitigate problems in the vesicular system as a result of aggregation, fusion, and pharmaceutical leakage, while also making transport, delivery, dosage, and storing simpler. Conventional vesicular structures, including liposomes and niosomes, face stability challenges. A novel vesicular system, called proniosomes, provides insight into these approaches in the review article. This new approach demonstrated the potential to enhance oral bioavailability to target drugs to a particular location, or to enable the drug's permeation across the stratum corneum. This increases the drug's life in the systemic circulation and therefore eliminates toxic reactions. This review explores and gives insight into proniosomes as promising drug delivery systems in various pharmaceutical and cosmeceutical applications.

**Key words:** Conventional vesicular, Cosmeceutical liposomes, Nanotechnology, Pharmaceutical, Targeting drugs

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