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(57) Abstract :
ABSTRACT The nanostructured lipid carrier (NLC) system is designed for the treatment of psoriasis, featuring a dual-lipid matrix composed of glyceryl monostearate and tea tree oil (TTO). This system incorporates Tacrolimus, a non-ionic surfactant Tween 80, and aims to enhance the solubility, stability, and efficacy of Tacrolimus while reducing skin irritability. The NLC system offers a stable carrier with high drug-loading capacity and sustained release profile, ensuring consistent dispersion and enhanced bioavailability. It is formulated for topical application in various forms such as gels, creams, ointments, lotions, or sprays, targeting psoriatic plaques and lesions effectively. Reference Fig 1

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