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# Self-Micro Emulsifying Drug Delivery System: A Vital Approach for Bioavailability Enhancement

RavinderVerma, Vineet Mittal& Deepak Kaushik\*

Department of Pharmaceutical Sciences, MaharshiDayanand University.Rohtak-124001, India

**Abstract :** In modern drug discovery techniques, about 40% of active moieties exhibit poorly water soluble which and present a major challenge to modern drug delivery system results in low oral bioavailability. Self-Micro Emulsifying Drug Delivery System (SMEDDS) is a unique feasible approach to solve low oral bioavailability problem which is associated with hydrophobic drugs due to their unparalleled potential. Recently, SMEDDS has been focused much more attention because of solving problems related to oral bioavailability, inter and intra-subject variability and lack of dose proportionality of hydrophobic drugs. This drug delivery system has important application on BCSII and IV class drugs for improving their low aqueous solubility. This review is useful in knowledge of formulation excipients with their role, transportation of lipids, evaluation parameters, recent advancements and recent research work.

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