

In vitro and in vivo pharmacokinetic study of sustained release simvastatin tablets and capsules

Summary of the research topic:

Preparation of a controlled release solid dosage forms of simvastatin (tablets and capsules) that fulfil the requirements for extended release medications using different hydrophilic and hydrophobic polymers, evaluation of the release rate profiles, physical and chemical stability and bioavailability determination. It could be concluded from this research study that; simvastatin could be formulated into different solid dosage forms that show physical and chemical stability and offer optimum drug release required for controlled release formulations