3. OBJECTIVE OF THE STUDY

The objective of present work is to develop different novel oral delivery systems with improved dissolution, solubility and thereby bioavailability of poorly water soluble drugs.

SPECIFIC AIMS

- To perform preformulation studies and drug interaction studies for selected drugs valsartan and telmisartan.
- To screen the solvents, carriers, coating material polymers, lipids, surfactants, and other excipients to be used in the different formulations.
- To develop suitable analytical methods to quantify the drugs in formulation and in vivo plasma samples.
- To optimize various process and formulation variables involved in the development of different delivery systems.
- To characterise developed formulations for in vitro.
- To compare in vitro dissolution profiles of prepared formulations with that of pure drug and respective marketed formulations.
- To perform bioavailability studies on optimised valsartan formulations.