OBJECTIVES

The objectives of the proposed research work are:

- To develop analytical and Bioanalytical methods for Diphenhydramine
- To validate methods in accordance to US FDA and ICH guidelines
- To assess ADME properties through \textit{in-vitro} and \textit{in-vivo} studies
  - \textit{in-vitro} (i.e. Aqueous solubility, Phase-I metabolism, CYP inhibition, Permeability, Protein binding)
  - \textit{in-vivo} (Rodent pharmacokinetic studies)