2. AIM AND OBJECTIVES

The main aim of the research work was to formulate lipid based nanocarriers for IN delivery and evaluation in streptozotocin (STZ) induced model of AD.

The major objectives of the present investigation are as follows:

1. Formulation and optimization of lipid based colloidal drug delivery systems viz. NE and NLC using DoE approach.
3. Evaluation and comparison of relative abilities of nanocarriers to transport into the brain via IN route.
4. Evaluation of effect of CUR and DZP on memory functions, AChE activity and OS markers in STZ induced model of AD.
5. To explore the use of CUR as an adjunctive therapy in combination with DZP.