ABBREVIATIONS

DM	DIABETES MELLITUS
T2DM	Type 2 Diabetes mellitus
Aβ	Amyloid β
BBB	Blood brain barrier
PLGA	Poly(D,L-lactide-co-glycolide)
NP	Nanoparticles
AD	Alzheimer's disease
APP	Amyloid precursor protein
AGEs	Advanced glycation end products
P-gp	P-glycoprotein
MRP	Multi drug resistance associated protein
V_d	Volume of distribution
Nm	Nanometer
IDE	Insulin degrading enzyme
RMT	Receptor mediated transport
Tf	Transferrin
TfR	Transferrin receptor
PPAR	Proliferator-activated nuclear receptor
TZD	Thiazolidienedione
NIDDM	Non-insulin-dependent diabetes mellites
PIO	Pioglitazone
ROS	Rosiglitazone
ROS-M	Rosiglitazone maleate
ROS-B	Rosiglitazone base
RT	Room temperature
PBS	Phosphate buffer saline
RDS	Relative standard deviation
RH	Relative humidity
PDI	Polydispersity index
PIO-NP	Pioglitazone HCl nanoparticles
Tf-PIO-NP	Transferrin conjugated pioglitazone HCl nanoparticles

ROS-NP	Rosiglitazone base nanoparticles
Tf-ROS-NP	Transferrin conjugated Rosiglitazone base nanoparticles
DMSO	Dimethylsulphoxide
FBS	Fetal bovine serum
MTT	3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide
DMEM	Dulbecco's Modified Eagle's Medium

LIST OF SOFTWARES USED

Zetasizer 4.1 software
PCP Disso v2.08 software
GraphPad Prism 5
Microsoft Excel-2003, 2007