

LIST OF ABBREVIATIONS

Abbreviation	Description
BBB	Blood Brain Barrier
CNS	Central nervous system
NG	Nicergoline
HG	Hydergine
SB	Sibutramine base
SBHM	Sibutramine hydrochloride monohydrate
PLGA	Poly (D, L-lactic- <i>co</i> -glycolic acid)
NP or NPs	Nanoparticles
PVA	Polyvinyl alcohol
NNp	Nicergoline containing PLGA nanoparticles
HNp	Hydergine containing PLGA nanoparticles
SNp	Sibutramine base containing PLGA nanoparticles
PS	Particle size
GS	Globule size
%EE	Percentage drug entrapment efficiency
ZP	Zeta potential
DL	Drug loading
PE-mAb-Tfr	Phycoerythrin tagged anti-CD71 anti-mouse monoclonal antibody
EDC-HCl	1-Ethyl-3-[3-dimethylaminopropyl] carbodiimide hydrochloride
NHS	N-hydroxysuccinimide
PE-mAb-Tfr-NNp	Phycoerythrin tagged anti-CD71 anti-mouse monoclonal antibody conjugated nicergoline PLGA nanoparticles
PE-mAb-Tfr-HNp	Phycoerythrin tagged anti-CD71 anti-mouse monoclonal antibody conjugated hydergine PLGA nanoparticles
PE-mAb-Tfr-SNp	Phycoerythrin tagged anti-CD71 anti-mouse monoclonal antibody conjugated sibutramine PLGA nanoparticles
CP	Cryoprotectant
ME	Microemulsions
MME	Mucoadhesive microemulsions
NME	Nicergoline containing microemulsion
HME	Hydergine containing microemulsion
SME	Sibutramine base containing microemulsion
NMME	Nicergoline containing mucoadhesive microemulsion
NMME	Hydergine containing mucoadhesive microemulsion
NMME	Sibutramine base containing mucoadhesive microemulsion

S _{mix}	Surfactant mix
T/E	Tween 80/ethanol
T/T	Tween 80/transcutol P
GS	Globule size
PBS	Phosphate buffer saline
NMR	Nuclear magnetic resonance
TEM	Transmission electron microscope
DSC	Differential Scanning Calorimetry
USP	United States pharmacopeia
ANOVA	Analysis Of Variance
AUC	Area under the curve
i.n.	Intranasal
i.v.	Intravenous
nm	Nanometer
mL	Milliliter
%w/w	Percentage weight by weight
mS	Milliseimens
Cp	Centipoise
mV	Millivolt
μL	Microliter
μg	Microgram
mg	Milligram
g	Gram
mm	Millimeter
dL	Decilitre
SD	Standard deviation
SEM	Standard error mean