

List of Abbreviations

Abbreviation	Description
% EE	Percentage drug entrapment efficiency
% w/w	Percentage weight by weight
μg	Microgram
μL	Microliter
ACN	Acetonitrile
ADHD	Attention Deficit- hyperactivity Disorder
AMP	Adenosine monophosphate
ANOVA	Analysis of Variance
AR	Analytical grade
ATP	Adenosine triphosphate
AUC	Area under the curve
BBB	Blood brain Barrier
BSA	Bovine Serum Albumin
CNS	Central nervous system
Cp	Centipoise
DL	Drug loading
dl	Deci litre
DoE	Design of Experiment
DSC	Differential Scanning Calorimetry
FDA	Food and drug administration
G	Gram
GABA	Gama-aminobutyric acid
GI	Gastro intestinal
GRAS	Generally recognized as safe
GS	Globule size
HC	Higher concentration
HPLC	High performance liquid chromatography
i.n.	Intranasal
i.v.	Intravenous
IC	Intermediate concentration
IM	Intra muscular
IP	Intra peritoneal
IUPAC	International union of pure and applied chemistry
IV	Intra venous
LC	Lower concentration
LD	Lethal dose
LOD	Limit of Detection
LOQ	Limit of quantification
MAO	Monoamine oxidase
ME	Microemulsions

Mg	Milligram
ml	Milliliter
Mm	Millimeter
MME	Mucoadhesive microemulsions
mPA	Mega pascal
Ms	Milliseimens
Mv	Millivolt
NF	National formulary
nm	Nanometer
NMR	Nuclear magnetic resonance
NOEL	No Observable Effect Level
o/w	Oil in water
ODS	Octadecylsilane
PBS	Phosphate buffer saline
PEG	Polyethylene glycol
PS	Particle size
QbD	Quality by design
RP-HPLC	Reverse phase High performance liquid chromatography
RSD	Relative standard deviation
SD	Standard deviation
SEDDS	Self-emulsifying drug delivery system
SEM	Standard error mean
SMEDDS	Self microemulsifying drug delivery system
S _{mix}	Surfactant mix
TEM	Transmission electron microscope
UDP	Up-Down Procedure
UK	United kingdom
USA	United states of America
USFDA	US Food and Drug Administration
USP	United States pharmacopeia
UV	Ultra violet
WHO	World health organization
ZP	Zeta potential