

LIST OF ABBREVIATIONS

Abbreviation	Full Form
AIDS	Acquired immunodeficiency syndrome
APS	Ammonium persulfate
ATZ	Atazanavir sulfate
AUC	Area under curve
BSA	Bovin serum albumin
C _{max}	Peak plasma concentration
CPCSEA	Committee for purpose of control and supervision of experiments on animals
DAPI	2-(4-Amidinophenyl)-6-indolecarbamide dihydrochloride
DCM	Dichloromethane
DMEM	Dulbecco's MEM medium
DMSO	Dimethyl sulphoxide
DSC	Differential scanning calorimetry
DTT	Dithiothreitol
EE	Entrapment efficiency
ESI	Electrospray ionization
FAE	Follicle-associated epithelium
FBS	Fetal bovine serum
FDA	Food and drug administration
FE-SEM	Field emission scanning electron microscopy
FTIR	Fourier transform-infrared spectroscopy
GALT	Gut associated lymphoid tissue
GRAS	Generally regarded as safe
HAART	Highly active antiretroviral therapy
HBSS	Hank's balanced salt solution
HCO	Hydrogenated castor oil
HIV	Human immunodeficiency virus
HLB	Hydrophile-lipophile-balance
HPH	High pressure homogenizer
ICH	International conference on harmonization
LOD	Limit of detection
LOQ	Limit of quantification
O-MALT	Organised-mucosa associated lymphoid tissues
MRT	Mean residence time
MTT	(3-(4,5dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide)
NCCS	National centre for cell science
NNRTI	Non-nucleoside reverse transcriptase inhibitor
NRTI	Nucleoside reverse transcriptase inhibitor
PDI	Polydispersibility index

PI	Protease Inhibitors
PP	Peyer's patch
PVA	Polyvinyl alcohol
RSD	Relative standard deviation
SD	Standard deviation
SEM	Scanning electron microscopy
SGF	Simulated gastric fluid
SIF	Simulated intestinal fluid
SLN	Solid lipid nanoparticles
SLS	Sodium lauryl sulphate
$t_{1/2}$	Plasma half life
TEM	Transmission electron microscopy
TEMED	N,N,N',N' - tetramethylethylenediamine
T_{\max}	Time at peak plasma concentration
ZP	Zeta potential