

LIST OF ABBREVIATIONS

ALCR	Carvedilol loaded alginate microspheres
ALNT	Nitrendipine loaded alginate microspheres
ANOVA	Analysis of variance
AUC	Area under curve
BBB	Blood brain barrier
BP	Blood pressure
CHCR	Carvedilol loaded chitosan microspheres
CHNT	Nitrendipine loaded chitosan microspheres
C _{max}	Peak concentration
CPM	Counts per minute
CRV	Carvedilol
CV	Coefficient of variation
DOSS	Dioctyl sodium sulfosuccinate
DMSO	Dimethyl sulphoxide
DSC	Differential Scanning Calorimetry
EE	Encapsulation efficiency
GA	Glutaraldehyde (25% aqueous solution)
h	Hour
ICH	International Conference on Harmonisation
IN	Intranasal
ITLC	Instant thin layer chromatography
IV	Intravenous
kg	Killogram
MCi	Millicurie
mg	Milligram
mL	Milliliter
MRT	Mean residence time
NTD	Nitrendipine
PRESS	Predicted residual sum of square
RH	Relative humidity

ROI	Region of interest
rpm	Revolutions per minute
RSD	Relative standard deviation
SD	Standard deviation
SG	Silica gel
SEM	Scanning electron microscopy
^{99m}Tc	Technetium - 99m
$t_{1/2}$	Half life
t_{max}	Time required for peak concentration
UV	Ultraviolet
v/v	Volume by volume
WHO	World health organization
XRD	X-ray Diffraction
λ_{max}	Absorption maxima