LIST OF ABBREVIATIONS

CVDs	Cardiovascular diseases
CHD	Coronary heart disease
DALY's	Disability adjusted life years lost
ASVD	Atherosclerotic vascular disease
VLDL	Very low density lipoprotein
LDL	Low-density-lipoprotein
HDL	High density lipoprotein
VLDL-c	Very low density lipoprotein-cholesterol
LDL-c	Low density lipoprotein-cholesterol
HDL-c	How density lipoprotein-cholesterol
CHF	Cardiac heart failure
β	Beta
ACE	Angiotensin-converting enzyme
HMG-CoA	Hydroxy-3-methyl-glutaryl-CoA
GIT	Gastrointestinal tract
WHO	World Health Organisation
TG	Triglycerides
LHRH	Leutinising harmone releasing harmone
MCGs	Membrane coating granules
nm	Nanometer
P_{eff}	Effective permeability coefficient
cm/s	Centimeter/second
S_{AB}	Spreading coefficient
W_A	Work of adhesion
μm	Micro meter
Da	Dalton
pKa	Dissociation constant
min	Minutes
hr	Hour
FITC	Fluorescein isothiocyanate
DNA	Deoxyribonucleic acid
IgG	Immunoglobulin G
L/kg	Litre/Kilogram
CYP	CytochromeP
mL/min	Mililiter/minute
NYHA	New york heart association
AV	Atrioventricular
HE	Hematoxylin eosin
NM	Not measured
ECG	Electro cardiogram
HCl	Hydro chloride
RP	Reversed phase
HPLC	High performance liquid chromatography
mM	Milli mole
mg/dl	Milli gram per deci litre
C_{min}	Steady state minimum concentration
$t_{½}$	Half life
t_{max}	Time required for peak concentration

AUC	Area under curve
C_{max}	Peak concentration
UV	Ultraviolet
ODS	Octa decyl silane
USP	United states pharmacopoeia
Kp	Partition coefficient
FT-IR	Fourier transform-Infra red
KBr	Potassium bromide
mA	Mili Ampere
RSD	Relative standard deviation
P	Permeability coefficient
AP	Arterial pressure
MAP	Mean arterial pressure
HR	Heart rate
H	Height
R	Radius
mg/kg	Miligram/kilogram
ANOVA	Analysis of variance
RT	Room temperature
BCS	Biopharmaceutical classification system
PBS	Phosphate buffer saline
HeFH	Heterozygous familial hypercholesterolemia
ml	Milli litre
°C	Degree celsius
Lit	Litre
FDA	Food and drugs administration
kg	Killogram
v/v	Volume by volume
w/v	Weight by volume
BP	Blood pressure
g	Gram
W	Week
%	Percentage
λmax	Absorption maxima
ng	Nano grams
µg	Micro grams
TS	Tensile strength
EM	Elastic modulus
E/B	Elongation at break
FE	Folding endurance
SN	Strain
$	United states dollar
mg	Milligram
CT	Carvedilol core tablets
CCT	Carvedilol core in cup tablets
P-CCT	Placebo - Carvedilol core in cup tablets
CBP	Carvedilol bilayer patches
P-CBP	Placebo - Carvedilol bilayer patches
CTM	Carvedilol bilayer tablets formulated with microspheres
P-CTM	Placebo - Carvedilol bilayer tablets

	formulated with microspheres
CM	Carvedilol Microspheres
P-CM	Placebo - Carvedilol Microspheres
PCT	Pravastatin sodium core in cup tablets
P-PCT	Placebo - Pravastatin sodium core in cup tablets
PBP	Pravastatin sodium bilayer patches
P-PBP	Placebo - Pravastatin sodium bilayer patches