

List of Abbreviations

ACTH	Adrenocorticotrophin hormone
ANOVA	Analysis of Variance
API	Active Pharmaceutical Ingredient
ASD	Amorphous Solid Dispersion
ASTM	American Society for Testing and Materials
AUC	Area under the curve
BA	Bronchial Asthma
BCS	Biopharmaceutical Classification System
BE	Bioequivalence
CCD	Central Composite Design
CCTs	Compression-coated tablets
CI	Confidence Interval
C _{max}	Peak plasma concentration
COX	Cylooxygenase
CQAs	Critical Quality Attributes
CRH	Corticotropin Releasing Hormone
CT	Core Tablet
CU	Content Uniformity
DBS	Dibutyl sebacate
DCM	Dichloro methane
DIC	Diclofenac sodium
DIL	Diltiazem hydrochloride
DoE	Design of Experiment
DSC	Differential Scanning Calorimeter
EC	Ethylcellulose
ER	Extended Release
FaSSGF	Fasted State Simulated Gastric Fluid
FaSSIF	Fasted State Simulated Intestinal Fluid
FeSSIF	Fed State Simulated Intestinal Fluid
FMEA	Failure Mode and Effects Analysis
FSH	Follicle Stimulating Hormone
FTIR	Fourier Transform Infra Red
GI	Gastrointestinal

HCl	Hydrochloric acid
HEC	Hydroxyethyl cellulose
HPA	Hypothalamic-Pituitary-Adrenocortical
HPC	Hydroxypropyl cellulose
HPMC	Hydroxypropyl methylcellulose
HPMC AS	Hydroxypropyl methylcellulose acetate succinate
ICH	International Conference on Harmonization
IL	Interleukin
IPA	Isopropyl alcohol
IR	Immediate Release
Ka	Absorption rate constant
Kel	Elimination rate constant
LC-MS	Liquid Chromatography Mass Spectrometer
LH	Leutinizing Hormone
LHRH	Leutinizing Hormone Releasing Hormone
LOD	Limit of Detection
LOQ	Limit of Quantification
LOR	Lornoxicam
MCC	Microcrystalline cellulose
MEG	Meglumine
MgSt	Magnesium stearate
MPR	Methylprednisolone
MR	Modified Release
MW	Molecular weight
NIF	Nifedipine
NO	Nitric Oxide
NOS	Nitric Oxide Synthase
NSAIDs	Non-Steroidal Anti-Inflammatory Drugs
NZW	New Zealand White
OFAT	One Factor At a Time
OPA	Orthophosphoric acid
PDDS	Pulsatile Drug Delivery System
PEG	Polyethylene glycol
PEO	Polyethylene oxide

PK	Pharmacokinetic
PLGA	Poly-lactic-co-glycolic acid
PM	Physical Mixture
PR	Pulsatile Release
PRS	Prednisone
PVA	Polyvinyl alcohol
PVP	Polyvinylpyrrolidone
PXRD	Powder X-ray Diffraction
QbD	Quality by Design
QTPP	Quality Target Drug Profile
RA	Rheumatic Arthritis
RH	Relative Humidity
RP-HPLC	Reversed Phase-High Performance Liquid Chromatography
RPN	Risk Priority Number
RSD	Relative Standard Deviation
SD	Standard Deviation
SEM	Scanning Electron Microscope
SIF	Simulated Intestinal Fluid
SR	Sustained Release
SSF	Sodium Stearyl Fumarate
SSG	Sodium Starch Glycolate
TEA	Triethyl amine
TEC	Triethyl citrate
TES	Time-Controlled Explosion System
T _{max}	Time to achieve peak concentration
TPP	Target Product Profile
T _{1/2}	Elimination half life
USFDA	United States Food and Drug Administration
USP	United States Pharmacopoeia
VA	Variant Angina