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Abbreviations

R&D	Research and Development
U.S	United State
Mg	Milligram
NCE	New chemical entity
GI	gastro intestinal
XRD	X-Ray diffraction
FTIR	Fourier theorem Infra Red
DSC	Differential scanning calorimeter
TGS	Thermo gravimetric analysis
ICH	international conference on Harmonization
IVIVC	in vitro in vivo correlation
FDA	Food and Drug Administration
AAPS	American association of pharmaceutical association
e.g.	Example
BBMV	brush border membrane vesicles
BLMV	basolateral membrane vesicles
ADME	absorption distribution metabolism and elimination
Log P	Log permeability
Peff	Effective permeability
2D/3D	2 dimensional/3 dimensional
PKa	acid dissociation constant
cm/min	centimeter per minute
ml/min	milliliter per minute
Km	The Michaelis- Menten constant
Vmax	The maximal rate of reaction
C_{in}	concentration in
C_{out}	concentration out
Mm	millimeter
h	hour
CR-GRDF	controlled release gastroretentive dosage forms
°C	degree centigrade
HCl	hydrochloride
ER	extended release
C_{max}	concentration maximum
AUC_{0-24}	Area under curve (0-infinity)
SD	standard deviation
ng·h/mL	nanogram* hour/millilitre
ng/mL	nanogram per millilitre
L/Kg	lite per kilogram
µg/L	microgram per litre
ADEs	adverse drug effects
Qmax	Urinary flow rate
Tid	three times a day
DBP	Diastolic blood pressure
SBP	systolic blood pressure
Qd	four times a day
BP	blood pressure
IPSS	International Prostate Symptom Score
Bid	two times a day
IR	immediate release
HBS	hydrodynamically balanced system
CO_2	carbon dioxide
Cr	chromium
I	indium
DF's	dosage forms
FDDS	floating drug delivery system

Abbreviations

wt/wt	weight by weight
PEG	polyethylene glycol
ODS	octa decyl silane
Std.	standard
MS	Microsoft excel
Av.	Average
USP	United states Pharmacoepia
RPM	revolution per minute
Temp	temperature
Rrf	relative retention factor
RRT	relative retention time
Ph.Eur	European Pharmacoepia
KBR	potassium bromide
TRC	torrent research centre
TPL	torrent pharmaceutical limited
HPLC	high-pressure liquid chromatography
MW	molecular weight
KF	karl fischer
API	active pharmaceutical ingredient
ND	not detected
LOD	limit of detection
NP	not performed
STDEV	standard deviation
CV	coefficient of variation
A°	angstrom
log D	log distribution coefficient
NDA	New drug appliction
HBD	hyrodynamically balanced device
NF	national formulary
Cps	centipoise
NA	not applicable
#	sieve
HIV	human immuno deficiency virus
HCV	Hepatitis C virus
HBsAg	Hepatitis surface B antigen
BE	Bio equivalence
LC-MS/MS	liquid chromatography –Mass spectrophotometer/ Mass spectrophotometer
IS	Internal standard
B. No	Batch number
N	Newton
Cmax	concentration maximum
Tmax	time to reach maximum concentration
AUC_{0-t}	area under curve (0- finite time (t)
AUC_{0-inf}	area under curve (0- infinite time (t)
THALF	half life
MRT_{0-t}	mean residence time (0- time (T)
MRT_{0-inf}	mean residence time (0-infinite time (T)
QAG	quaternary ammonium groups
GRDFs	gastro retentive dosage forms
Tg	glass transition time
Pb	lead
90%CI	90% confidence interval
90%W.L.	90% Westlake interval
Y/N	yes/No
Ln(Cmax)	log of concentration maximum
Ln(AUCt)	log area under curve till time t

Abbreviations

Ln(AUCinf)	log area under curve till infinite time
T/R	test /reference
$T_{1/2\ el}$	Elimination half life
K_{el}	Elimination rate constant
Lambda_z	Elimination rate constant
Df	Degrees of freedom
SS	sum of squares
MSS	mean sum of squares
DPM	dips per minute
FESSIF	fed simulated small intetinal fluid
HPMC	hydroxypropyl methyl cellulose
TLIN	Lower point of line (in time hr) to calculate Lambda_z
LQCT	Upper point of line (in time hr) to calculate Lambda_z
Lambda_z_lower	Lower point of line (in time hr) to calculate Lambda_z
Lambda_z_upper	Upper point of line (in time hr) to calculate Lambda_z
F-value	F statistic value
HL_Lambda_	Half life