

IV. LIST OF ABBREVIATIONS

FDDS	Fast dissolving drug delivery systems
ANNs	Artificial neural networks
UV	Ultra violet
HPLC	High performance liquid chromatography
μg	Microgram
CV	Correlation of variance
SD	Standard deviation
RSD	Relative standard deviation
RP	Reverse phase
MLR	Multiple linear regression
IVIVC	In vitro in vivo correlation
QSAR	Quantitative structure-activity relationship
QSPR	Quantitative structure-property relationship
SRR	Structure retention relationship
K_p	Partition coefficient
J_{ss}	Steady state flux rate
P_u	Permeability coefficients of unionized species
P_i	Permeability coefficients of ionized species
PAMPA	Parallel artificial membrane permeation assay
$\text{Log } P_e$	Logarithm of permeability coefficient
S_d	Similarity factor
f_2	Dissimilarity factor
SEM	Scanning electron microscope
β -CD	Beta-cyclodextrin
MCC	Microcrystalline cellulose
C_{max}	Maximum plasma concentration
T_{max}	Time to maximum plasma concentration
AUC	Area under curve

AUMC	Area under momentum cure
MRT	Mean residence time
$t_{1/2}$	Elimination half life
K_{el}	Elimination rate constant
K_{ab}	Absorption rate constant
Cl	Clearance
Vd	Volume of distribution