

LIST OF ABBREVIATIONS

Biopharmaceutical classification system	BCS
Gastrointestinal tract	GIT
Nanosuspension	NS
Cyclodextrin	CD
Diacerein	DAR
Febuxostat	FBX
Physical mixture	PM
Plain Diacerein	DAR-P
Inclusion complex of DAR: HP- β -CD::(1:2)M	DAR-IC
Marketed formulation of Diacerein	DAR-M
Plain Febuxostat	FBX-P
Inclusion complex of FBX: HP- β -CD::(1:1)M	FBX-IC
Marketed formulation of Febuxostat	FBX-M
β -cyclodextrin	β -CD
Hydroxypropyl- β -cyclodextrin	HP- β -CD
Methyl- β -cyclodextrin	M- β -CD
γ -cyclodextrin	γ -CD
3-(4,5-dimethylthiazolyl-2)-2,5-diphenyltetrazolium bromide	MTT
Hank's balanced salt solution	HBSS
High Performance Liquid Chromatography	HPLC
Ultraviolet	UV
Limit of detection	LOD
Limit of quantitation	LOQ
Mean particle size	MPS
Particle size	PS
Polydispersity index	PDI

Saturation solubility	SS
Reduced model	RM
Full model	FM
Differential Scanning Calorimetry	DSC
X-ray Diffraction	XRD
Infrared	IR
Scanning Electron Microscopy	SEM
Transmission Electron Microscopy	TEM
Dissolution efficiency	DE
Dissolution percentage	DP
Mean dissolution time	MDT
Area under curve	AUC
Maximum plasma concentration	C_{max}
Time to reach maximum plasma concentration	T_{max}
Elimination half life	$t_{1/2}$
Area under moment curve	AUMC
Mean residence time	MRT
Relative bioavailability	% F