

## LIST OF TABLES

Table No.	Table Cap ons	Page No.
Table 4.1	Drug to lipid ra o and sonica on me of various batches of RSV-TPGS-SLN	51
Table 4.2	PLGA: TPGS blend ra o and organic to aqueous ra o of various batches of RSV-PLGA-BNPs	54
Table 4.3	TPGS+Phospholipid (phospho dyl choline; PC) concentra on and volume of organic solvent of various batches of RSV-TPGS-HNPs	57
Table 4.4	Drug to liposomal components ra o and sonica on me of various batches of RSV-TPGS-Lipo	60
Table 5.1	Accuracy and precision of RSV spiked in rat plasma samples (n=6)	72
Table 5.2	Polydispersity index and zeta poten al of various batches of RSV-TPGS-SLNs	76
Table 5.3	Correla on co-e e cient ( $R^2$ ) and release exponent (n) value of <i>in vitro</i> drug release kine cs from RSV-TPGS-SLN and RSV-PEG-SLN	80
Table 5.4	Pharmacokine c parameters of RSV, RSV-TPGS-SLN and RSV-PEG-SLN a er <i>i.v.</i> administra on of 2 mg/kg dose.	103
Table 5.5	Polydispersity index and zeta poten al of various batches of RSV-PLGA-BNPs	111
Table 5.6	Pharmacokine c parameters of RSV and RSV-PLGA-BNPs a er intravenous administra on of 2 mg/kg dose.	130
Table 5.7	Polydispersity index and zeta poten al of various batches of RSV-TPGS-HNPs	137

Table 5.8	Correlation coefficient ( $R^2$ ) and release exponent (n) value of <i>in vitro</i> drug release kinetics from RSV-TPGS-HNPs and RSV-PEG-HNPs	141
Table 5.9	Pharmacokinetic parameters of RSV, RSV-TPGS-HNPs and RSV-PEG-HNPs after intravenous administration of 2 mg/kg dose.	162
Table 5.10	Polydispersity index and zeta potential of various batches of RSV-TPGS-Lipo	171
Table 5.11	Correlation coefficient ( $R^2$ ) and release exponent (n) value of <i>in vitro</i> drug release kinetics from RSV-Lipo, RSV-TPGS-Lipo and RSV-PEG-Lipo	177
Table 5.12	Pharmacokinetic parameters of RSV, RSV-Lipo, RSV-TPGS-Lipo and RSV-PEG-Lipo after intravenous administration of 2 mg/kg dose.	197
Table 6.1	Summary of comparative results of all nanoformulations	210