

K	0.1
Cl	4
Vd	40
T'	2
Tau	8
Dose	1000
1-exp(-KT')	0.181269
1-exp(-Ktau)	0.550671
Number of Doses	
Fraction of Steady State Achieved (1-exp(-NKtau))	
Cpmax = S*F*D(1-exp(-KT'))*(1-exp(-NKtau))/(VdKT'(1-exp(-Ktau)))	
Cmin = Cmax*exp(-K(Tau-T'))	
T1/2	6.93
Cpmax = S*F*D(1-exp(-KT'))/(VdKT'(1-exp(-Ktau)))	41.14735
Cpminss = Cpmaxss*exp(-K*(Tau-T'))	22.58215

Calculation of Cpmax and Cpmin by Number of Doses Administered
 $Cpmax = S*F*D(1-exp(-KT'))*(1-exp(-NKtau)) / (VdKT'(1-exp(-Ktau)))$

	1	2	3	4	5	6	7	8	9	10	11	12
Fraction of Steady State Achieved (1-exp(-NKtau))	0.550671	0.798103	0.909282	0.959238	0.981684	0.99177	0.996302	0.998338	0.999253	0.999665	0.999849	0.999932
Cpmax = S*F*D(1-exp(-KT'))*(1-exp(-NKtau))/(VdKT'(1-exp(-Ktau)))	22.65866	32.83985	37.41455	39.4701	40.39371	40.80872	40.9952	41.07898	41.11663	41.13355	41.14115	41.14457
Cmin = Cmax*exp(-K(Tau-T'))	12.43533	18.02289	20.53354	21.66165	22.16854	22.3963	22.49864	22.54462	22.56529	22.57457	22.57874	22.58062

