

Table 1 Pharmacokinetic and survival approaches describing the time course of drug (initial amount 100 mass units or 100 molecules; $v_{max}=100$; $k_m=50$; $k=v_{max}/k_m$)

Time	First-order		Mixed-Order	
	Amount	Survival	Amount	Survival
0	100.000	100.000	100.000	100.000
1	13.534	13.534	42.630	42.630
2	1.832	1.832	10.886	10.886
3	0.248	0.248	1.768	1.768
4	0.034	0.034	0.247	0.247
5	0.005	0.005	0.034	0.034