

Table S2: List of non-dimensional parameter values relating to ABT-737 pharmacokinetics and pharmacodynamics.

Parameter	Expression	Value
$\bar{\mu}_A$	$\tau_A \mu_A$	6
$\bar{\eta}_A$	$\mu_A \tau_A \alpha_{perit} / \alpha_P$	11.66
\bar{K}_A	$K_A \tau_A$	3.36
ϵ	$1 / (k_d^X \tau_A)$	5.79×10^{-4}
\bar{k}_0	$k_d^X \tau_A \alpha_C / \alpha_P$	1.30
\bar{k}_1	$K_{PC}^A \tau_A \alpha_P / \alpha_C$	3.96
\bar{k}_2	$K_{CP}^A \tau_A$	2.40
$\bar{\gamma}_1$	β / α_C	16.70
$\bar{\gamma}_2$	β / χ	0.90
$\bar{\nu}_1$	$k_a^A \alpha_T / k_d^X$	0.45
$\bar{\nu}_2$	k_d^A / k_d^X	0.10
$\bar{\nu}_3$	$k_a^X \chi / k_d^X$	8.33
ζ_1	$\bar{\nu}_1 / (2\bar{\gamma}_2\bar{\nu}_3)$	0.03
ζ_2	$\bar{\nu}_2(1 + \bar{\nu}_3 - \bar{\nu}_3\bar{\gamma}_2) / (2\bar{\gamma}_2\bar{\nu}_3)$	0.01
σ_1	$\bar{\nu}_1 / (2\bar{\nu}_2\bar{\nu}_3)$	0.27
σ_2	$(1 - \bar{\nu}_3 + \bar{\nu}_3\bar{\gamma}_2) / (2\bar{\nu}_3)$	0.01
ρ_1	$2\bar{\nu}_2(1 + \bar{\nu}_3 + \bar{\nu}_3\bar{\gamma}_2) / \bar{\nu}_1$	7.50
ρ_2	$\bar{\nu}_2^2 [1 + 2\bar{\nu}_3(1 + \bar{\gamma}_2) + \bar{\nu}_3^2(1 - \bar{\gamma}_2)^2] / \bar{\nu}_1^2$	1.65