Table 1: Rate and Equilibrium Constants for the Human 5-HT$_{3A}$ Receptor Model for 5-HT and DA

KINETIC PARAMETER	5-HT	DA
k_1	$1 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$	$1 \times 10^7 \text{ M}^{-1}\text{s}^{-1}$
k_2	200 s^{-1}	1700 s^{-1}
k_3	0.207 s^{-1}	14 s^{-1}
β	400 s^{-1}	0.6 s^{-1}
α	1 s^{-1}	1.2 s^{-1}
k_{d+}	1.15 s^{-1}	1.15 s^{-1}
k_{d-}	$<0.01 \text{ s}^{-1}$	$<0.01 \text{ s}^{-1}$
k_{DR}	0.7 s^{-1}	
L_0	3×10^6	

Kinetic parameters for the model were constrained by the electrophysiological data presented in the figures or thermodynamic law. The value of k_{d-} is an upper limit estimate based upon the inability to measure stead-state currents following equilibration with 100 μM 5-HT or 1 mM DA.