Parameter	Description	Value
$[O_T]$	Total operator (bound & unbound) concentration	1×10^{-3} μM
$K_2[R_T]$	Total repressor (bound & unbound) concentration × equilibrium constant	1×10^{5} dimensionless
K_1	Equilibrium constant	0.012 μM^{-2}
δ	Facilitated transport coefficient	0.82 min^{-1}
β	Permease saturation constant	500 μM
k_2	Rate of dilution of $[Y]$ and $[I]$	0.0055 min^{-1}
α	Permease turnover number	60000 min^{-1}
k_1	Kinetic rate constant (permease generation)	9 min^{-1}