



Figure S1. Hemoglobin reduction as a function of the intracellular ribavirin concentration.

Model prediction (line) of the reduction in Hb ($\Delta Hb = Hb_0 - Hb_\infty$) as a function of C_{avg}

calculated as in Fig. 5D but with Eq. (2) replaced by $D(C) = D_0 + (D_m - D_0) \frac{C}{C + C_{50}}$ so that D

reaches an asymptotic maximum of D_m for large values of C . Parameter values employed are

$k_p = 65 \text{ d}^{-1}$, $k_d = 0.5 \text{ d}^{-1}$, $C_{50} = 400 \mu\text{M}$, and $D_m = 0.05 \text{ d}^{-1}$. All the other parameter values are

the same as in Fig. 2.