



Figure 1 – Potency of hERG block by chloroquine, hydroxychloroquine and azithromycin. A) Typical example of hERG currents showing block by an approximate IC_{50} dose of i) chloroquine, ii) hydroxychloroquine, and iii) azithromycin. Timecourse of block is displayed inset. Cells were voltage clamped at a holding potential of -80 mV then depolarized to 40 mV for 4 s followed by a 1 s test pulse to -40 mV to elicit tail currents, with 15 s start-to-start interval. B) Dose response curves for inhibition of hERG currents. $IC_{50} \pm SEM$ for chloroquine (red), hydroxychloroquine (blue), and azithromycin (purple) were $1.47 \pm 0.07 \mu M$, $3.8 \pm 0.2 \mu M$, and $212.4 \pm 10 \mu M$ respectively.