

Expanded View Figures

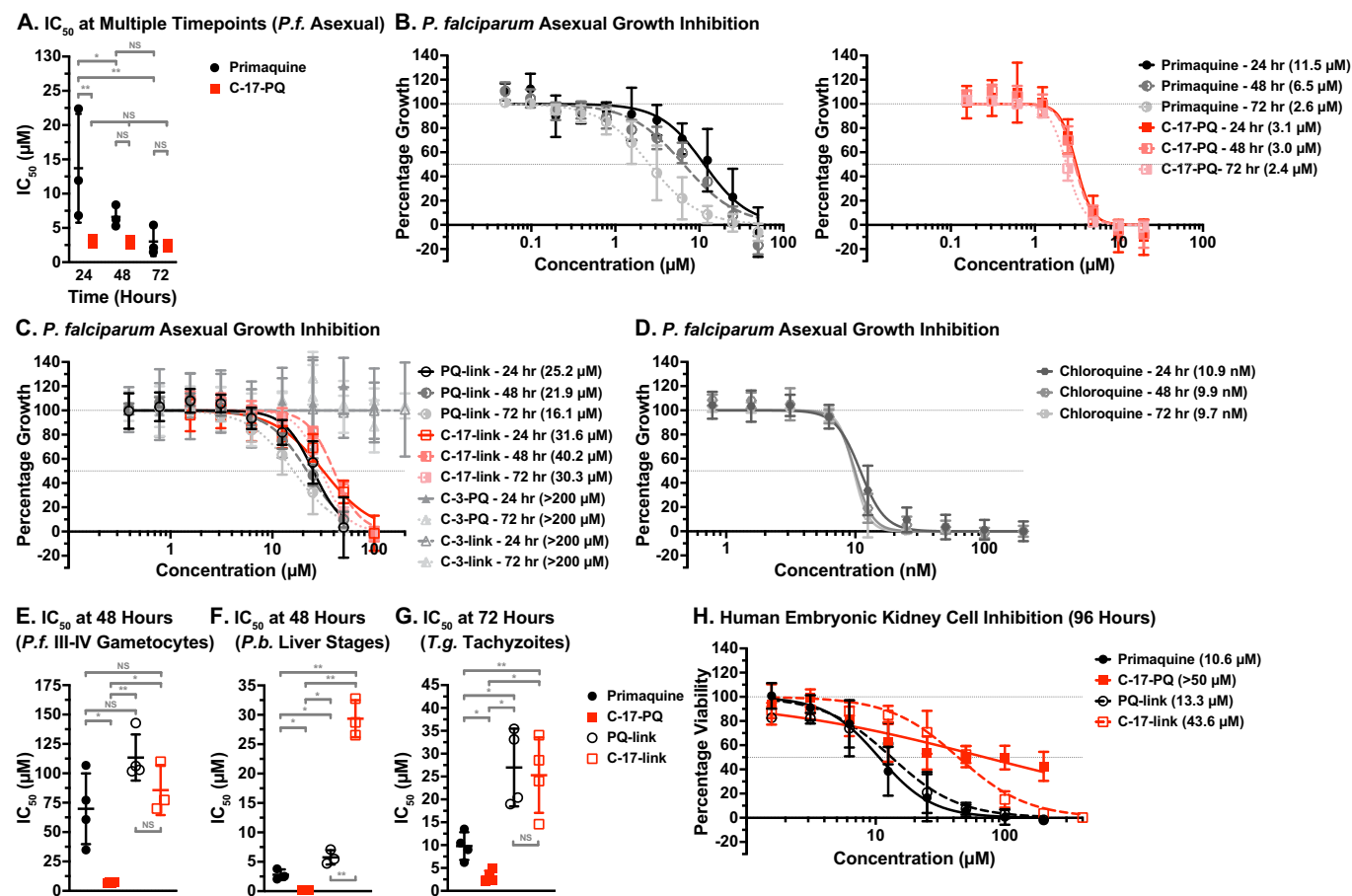


Figure EV1. Coupling of primaquine to a steroid increases its potency against apicomplexan parasites.

(A) Comparison of 50% inhibitory concentrations (IC_{50}) values against asexual *P. falciparum* from Fig. 2D. Individual data points are the IC_{50} values from independent experiments; centre bar is the mean value ($\pm$ S.D.) of these data points. (B–D) Dose-response curves of (B) primaquine, C-17-PQ, (C) PQ-link, C-17-link, C-3-PQ, C-3-link, and (D) chloroquine against asexual *P. falciparum* growth at 24, 48 and 72 h. Shown are mean values ($\pm$ S.D.). IC_{50} values are in brackets. $n = 3$ independent experiments. (E) Comparison of IC_{50} values against sexual *P. falciparum* gametocytes from Fig. 2C. Individual data points are the IC_{50} values from independent experiments; centre bar is the mean value ($\pm$ S.D.) of these data points. $n = 4$ independent experiments. (F) Comparison of IC_{50} values against *P. berghei* liver stages from Fig. 3A. Individual data points are the IC_{50} values from independent experiments; centre bar is the mean value ($\pm$ S.D.) of these data points. $n = 3$ independent experiments. (G) Comparison of IC_{50} values against *Toxoplasma gondii* from Fig. 3F. Individual data points are the IC_{50} values from independent experiments; centre bar is the mean value ($\pm$ S.D.) of these data points. $n = 4$ independent experiments. (H) Dose-response assay (96 h) against human embryonic kidney (HEK293) cell viability incubated with primaquine, C-17-PQ, PQ-link, or C-17-link. Shown are mean values ($\pm$ S.D.). IC_{50} is in brackets. $n = 3$ independent experiments. NS, not significant; * $p < 0.05$; ** $p < 0.01$ (ANOVA). Source data are available online for this figure.

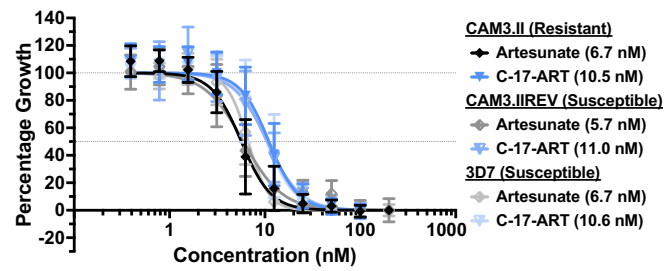
***P. falciparum* Asexual Growth Inhibition (72 Hours)**

Figure EV2. Dose-response assay (72 h) of artesunate and C-17-ART against resistant (CAM3.II) and susceptible (CAM3.II REV and 3D7) asexual *P. falciparum* growth (starting at ring stages).

Shown are mean values ($\pm$ S.D.). 50% inhibitory concentration (IC₅₀) is in brackets. $n = 4$ independent experiments. Source data are available online for this figure.

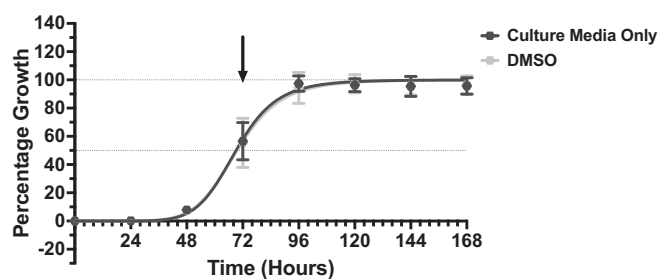
T. gondii Growth Over Time

Figure EV3. Measurement of *Toxoplasma gondii* tachyzoite growth in supplemented media, or supplemented media with 0.1% (v/v) DMSO (solvent control for drugs) over one week.

Parasites were in the mid-logarithmic phase of growth at 72 h post seeding (arrow), hence this timepoint was used for the experiment outlined in Fig. 3F. Shown are mean values ($\pm$ S.D.) $n = 4$ independent experiments. Source data are available online for this figure.