**S12 Table. Isobologram analyses of compounds tested on asynchronous parasites, synchronized rings and synchronized trophozoites, presented as the means of the fractional $IC_{50}$ sums.**

| | | Asynchronous | | | | Rings | | | | Trophozoites | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | WLL | | WLW | | WLL | | WLW | | WLL | | WLW | |
| Drugs | | Cam3.II $K13^{WT}$ | Cam3.II $K13^{C580Y}$ | Cam3.II $K13^{WT}$ | Cam3.II $K13^{C580Y}$ | Cam3.II $K13^{WT}$ | Cam3.II $K13^{C580Y}$ | Cam3.II $K13^{WT}$ | Cam3.II $K13^{C580Y}$ | Cam3.II $K13^{WT}$ | Cam3.II $K13^{C580Y}$ | Cam3.II $K13^{WT}$ | Cam3.II $K13^{C580Y}$ |
| DHA | Mean | 0.89 | 1.05 | 0.66 | 0.71 | 0.69 | 0.77 | 0.43 | 0.44 | 0.70 | 0.68 | 0.69 | 0.73 |
| | SEM | 0.01 | 0.02 | 0.05 | 0.09 | 0.04 | 0.06 | 0.07 | 0.08 | 0.08 | 0.11 | 0.01 | 0.02 |
| | N[a] | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 3 | 3 | 2 | 2 |
| OZ439 | Mean | 1.21 | 1.10 | 0.85 | 0.76 | 0.65 | 0.79 | 0.35 | 0.40 | 0.64 | 0.67 | 0.48 | 0.51 |
| | SEM | 0.08 | 0.10 | 0.07 | 0.07 | 0.15 | 0.02 | 0.01 | 0.01 | 0.09 | 0.10 | 0.06 | 0.05 |
| | N | 3 | 3 | 3 | 3 | 2 | 2 | 2 | 2 | 5 | 5 | 5 | 5 |
| MB | Mean | 1.22 | 1.20 | 0.89 | 0.83 | 0.87 | 0.84 | 0.40 | 0.36 | 0.98 | 1.01 | 0.71 | 0.78 |
| | SEM | 0.06 | 0.02 | 0.02 | 0.03 | 0.03 | 0.06 | 0.05 | 0.03 | 0.04 | 0.03 | 0.06 | 0.11 |
| | N | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 3 | 3 | 3 | 3 |
| b-AP15 | Mean | 1.05 | 1.11 | 0.86 | 0.78 | 0.80 | 0.77 | 0.34 | 0.35 | 0.67 | 0.66 | 0.60 | 0.52 |
| | SEM | 0.02 | 0.07 | 0.04 | 0.06 | 0.08 | 0.05 | 0.11 | 0.06 | 0.02 | 0.06 | 0.01 | 0.03 |
| | N | 3 | 3 | 2 | 2 | 3 | 4 | 2 | 2 | 2 | 2 | 2 | 2 |
| $ES_I$ | Mean | 1.28 | 1.29 | 0.98 | 0.97 | 1.05 | 1.09 | 0.73 | 0.80 | 1.19 | 1.05 | 0.97 | 1.08 |
| | SEM | 0.04 | 0.03 | 0.08 | 0.08 | 0.001 | 0.03 | 0.004 | 0.02 | 0.10 | 0.17 | 0.05 | 0.05 |
| | N | 3 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 2 | 2 | 3 | 3 |
| ATQ | Mean | 1.33 | 1.22 | 1.28 | 1.16 | 1.64 | 1.54 | 1.17 | 1.20 | 1.11 | 0.99 | 1.02 | 1.07 |
| | SEM | 0.14 | 0.06 | 0.07 | 0.01 | 0.01 | 0.10 | 0.09 | 0.10 | 0.05 | 0.08 | 0.01 | 0.01 |
| | N | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 3 | 3 | 3 | 3 | 2 |
| LMF | Mean | 1.42 | 1.24 | 1.32 | 1.07 | 1.23 | 1.13 | 0.95 | 0.98 | 1.12 | 1.24 | 1.16 | 1.01 |
| | SEM | 0.17 | 0.08 | 0.20 | 0.21 | 0.05 | 0.05 | 0.09 | 0.03 | 0.02 | 0.04 | 0.19 | 0.01 |
| | N | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| PPQ | Mean | 1.52 | 1.37 | 1.44 | 1.33 | 1.46 | 1.41 | 1.20 | 1.30 | 1.32 | 1.23 | 1.14 | 1.20 |
| | SEM | 0.07 | 0.002 | 0.04 | 0.0004 | 0.03 | 0.06 | 0.07 | 0.12 | 0.01 | 0.04 | 0.09 | 0.09 |
| | N | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 2 | 2 |
| CQ | Mean | 1.41 | 1.53 | 1.29 | 1.36 | 1.69 | 1.70 | 1.45 | 1.54 | 1.89 | 1.75 | 1.57 | 1.41 |
| | SEM | 0.10 | 0.17 | 0.07 | 0.04 | 0.31 | 0.02 | 0.20 | 0.02 | 0.10 | 0.12 | 0.12 | 0.13 |
| | N | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 2 | 3 |

[a]N = number of independent experiments (each with technical duplicates).

ATQ, atovaquone; CQ, chloroquine; DHA, dihydroartemisinin; $ES_I$, eeyarestatin I; LMF, lumefantrine; MB, methylene blue; PPQ, piperaquine.