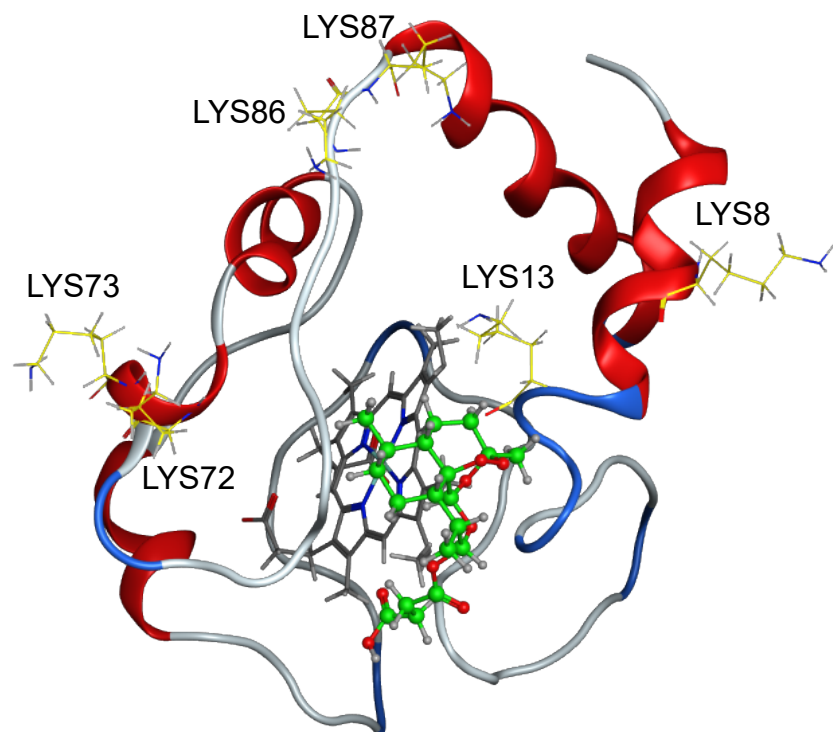
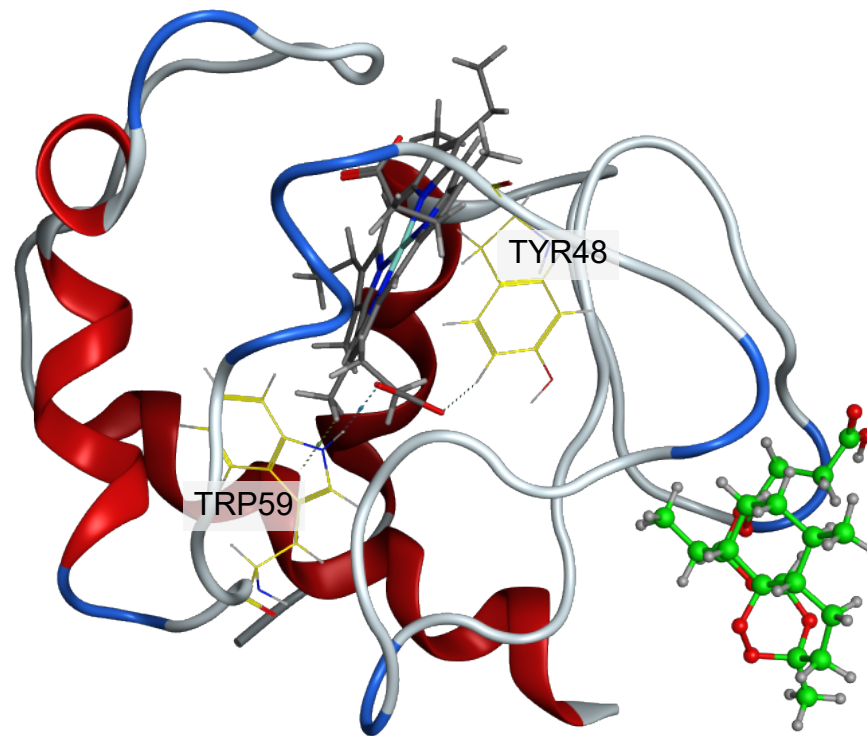


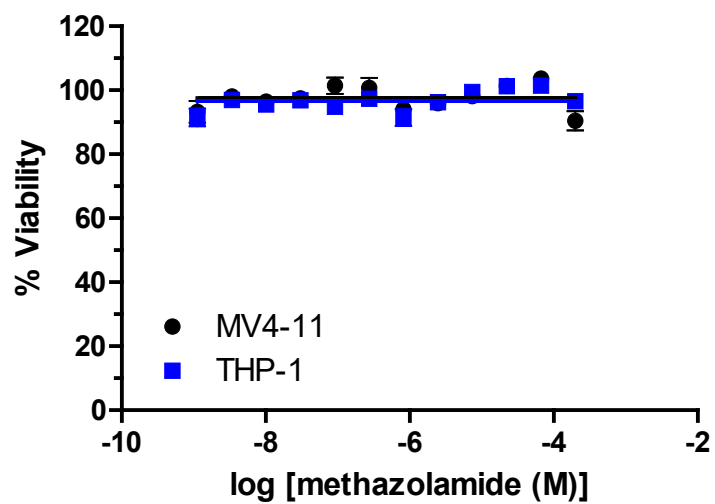
a.



b.



Supplemental Figure 1: Artesunate in top ranked binding site of reduced (a) and oxidized (b) cytochrome c as determined by MOE with key amino acids labeled. a) Artesunate binds to reduced cytochrome c in close proximity to 6 key lysine (LYS8, 13, 72, 73, 86, 87) residues involved in binding of reduced cytochrome c to cytochrome c oxidase. b) Artesunate is predicted to bind oxidized cytochrome c within 15 angstrom of tryptophan 59 (TRP59) and tyrosine 48 (TYR48) both of which have roles in stabilizing the heme and regulating cytochrome c induction of apoptosis. Artesunate (green), heme group (gray), key amino acids (yellow).



Supplemental Figure 2: MV4-11 and THP-1 cells are not sensitive to methazolamide alone. MV4-11 (black) and THP-1 (blue) cells were treated with increasing concentrations of methazolamide for 96hr prior to assess its effect on cell viability. Data is expressed as the mean $\pm$ SD % viability normalized to matched 0.1% DMSO control treated cells from 4 independent experiments.