

Figure 1. Structure determination of PfCRT 7G8-Fab in complex with CQ photoaffinity label. A. Chemical structure of CQ photoaffinity label, 3-azido methyl chloroquine (3-N $_3$ MeCQ), synthesized by Scott Bohle from McGill University. **B.** Representative 2D class averages showing features of Fabbound PfCRT 7G8 in complex with 3-N $_3$ MeCQ. **C.** FSC curve for a drug-bound PfCRT 7G8-Fab complex. **D.** The cryo-EM density map (silhouette) and structural model of PfCRT 7G8 (blue). **E.** Sliced view from the cytosol side. Residues have their side chains and render as sticks. Extra density in the cavity is shown in silhouette, and the 3-N $_3$ MeCQ molecule is shown in orange.

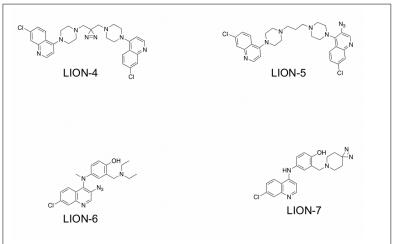


Figure 2. Chemical structures of photoaffinity-labeled PPQ and CQ.