Develop a population pharmacokinetic and pharmacodynamic (PK-PD) model for the treatment of Plasmodium falciparum malaria following 6 days of dosing of the test medication. The model estimated a 48-hour parasite growth rate in blood to be 18.3 fold, which was within the range reported in the literature. The model estimated a 48-hour parasite growth rate in blood to be 18.3 fold, which was within the range reported in the literature. For the simulations, the model predicted a 48-hour parasite growth rate in blood to be 18.3 fold, which was within the range reported in the literature. The model estimated a 48-hour parasite growth rate in blood to be 18.3 fold, which was within the range reported in the literature.