# CONTENTS

# CONTENTS (CONTINUED)

# LIST OF TABLES

# LIST OF TABLES (CONTINUED)

# LIST OF FIGURES

# LIST OF FIGURES (CONTINUED)

# LIST OF ABBREVIATIONS

| | |
|---|---|
| % | Percent |
| µl | Microlitre |
| µm | Micrometre |
| µM | Micromolar |
| °C | Degree Celsius |
| CA-AM | Calcein acetoxymethyl ester |
| CI | Confidence interval |
| CM1 | 1-(N-acetyl-6-aminohexyl)-3-hydroxy-2-methylpyridin-4-one, hydroxypyridin-4-one derivative |
| CQ | Chloroquine |
| Cyc | Cycloguanil |
| DCF | Dichlorofluorescein |
| DCFH-DA | 2′,7′-Dichlorofluorescein diacetate |
| DFO | Desferrioxamine |
| DFP | Deferiprone, 1,2-dimethyl-3-hydroxypyrid-4-one, L1 |
| DFX | Deferasirox, ICL670 |
| DHA | Dihydroartemisinin |
| DHF | Dihydrofolate |
| DHFR | Dihydrofolate reductase enzyme |
| DHPS | Dihydropteroate synthase enzyme |
| dl | Decilitre |
| DMSO | Dimethyl sulfoxide |
| $ED_{50}$ | Effective dose at 50% |
| EGCG | (-)-Epigallocatechin 3-gallate |
| Fe | Iron |
| FI | Fluorescent intensity |
| FITC | Fluorescein isothiocyanate |
| *g* | Gavity force |
| g | Gram |

| | |
|---|---|
| GFP | Green Fluorescent Protein |
| GTE | Green tea extract |
| h | Hour |
| i.p. | Intraperitoneal route |
| $IC_{50}$ | Inhibitory concentration at 50% |
| Ka | Association constant |
| kg | Kilogram |
| L | Litre |
| LIP | Labile iron pool |
| LPI | Labile plasma iron |
| M | Molar |
| MDA | Malondialdehyde |
| mg | Milligram |
| min | Minute |
| ml | Millilitre |
| mm | Millimetre |
| mM | Millimolar |
| mW | Milliwatt |
| NaCl | Sodium chloride |
| nm | Nanometre |
| nM | Nanomolar |
| NRBC | non-infected red blood cell |
| NTBI | Non-transferrin-bound serum iron |
| *P. berghei* | *Plasmodium berghei* |
| *P. falciparum* | *Plasmodium falciparum* |
| *P. knowlesi* | *Plasmodium knowlesi* |
| *P. malariae* | *Plasmodium malariae* |
| *P. ovale* | *Plasmodium ovale* |
| *P. vivax* | *Plasmodium vivax* |
| *P. yoelii* | *Plasmodium yoelii* |
| PBMC | Peripheral blood mononuclear cells |

| | |
|---|---|
| PBS | Phosphate-buffered saline |
| PE | Phycoerythrin |
| pfdhfr | *Plasmodium falciparum* dihydrofolate reductase gene |
| pfdhps | *Plasmodium falciparum* dihydropteroate synthase gene |
| PRBC | Parasitized red blood cell, parasite-infected red blood cell |
| PYR | Pyrimethamine |
| RBC | Red blood cell |
| ROS | Reactive oxygen species |
| SDX | Sulfadoxine |
| sec | Second |
| THF | Tetrahydrofolate |
| v/v | Volume by volume |
| w/v | Weight by volume |
| w/w | Weight by weight |