Primaquine phosphate is 8-[(4-amino-1-methylbutyl) amino]-6-methoxyquinoline phosphate, a synthetic compound with potent antimalarial activity. The molecular formula of Primaquine phosphate is $C_{15}H_{21}N_3O\cdot 2H_3PO_4$ and its molecular weight is 455.34. The structural formula of Primaquine phosphate is:



Figure 1: Primaquine phosphate structure.

Each Primaquine phosphate tablet contains 26.3 mg of primaquine phosphate (equivalent to 15 mg of primaquine base). The dosage is customarily expressed in terms of the base.

Inactive Ingredients: Carnauba Wax, Hydroxypropyl Methylcellulose, Lactose, Magnesium Stearate, Microcrystalline Cellulose, Polyethylene Glycol 400, Polysorbate 80, Pregelatinized Starch, Red Ferric Oxide, Talc, Titanium Dioxide.

CLINICAL PHARMACOLOGY

Microbiology

Mechanism of Action

Primaquine phosphate is an 8-aminoquinoline antimalarial drug. The mechanism of action has not been fully established. The major assumptions are an inhibition of the mitochondrial system of dormant parasites, and an oxidative stress generated through reactive metabolites in infected cells. In humans, primaquine phosphate activity is probably related to hydroxylated metabolites generated intrahepatically by CYP2D6.

Antimicrobial Activity

Primaquine phosphate is active against the dormant liver forms of P.vivax, namely hypnozoites, as well as excerythrocytic stages of the parasite. Thereby, it prevents the development of the blood (erythrocytic) forms of the parasite which are responsible for relapses in vivax malaria. Primaguine phosphate is also active against gametocytes of Plasmodium falciparum.

Resistance

Development of resistance to primaguine phosphate in *Plasmodium* species has not been well studied. Pharmacokinetics

Following single oral dosing, the $\mathrm{C}_{\mathrm{max}}$ and AUC of primaquine increase approximately doseproportionally over a primaquine base dose range of 15 mg to 45 mg (3 times the approved dose). The pharmacokinetic parameters and properties of primaquine and carboxyprimaquine (main circulating metabolite not expected to be active) in patients with P. vivax malaria following Oral Administration of Primaquine phosphate Tablets are provided in TABLE 1.

TABLE 1: Summary	of Pharmacokinetic	Parameters and	Properties	(Mean ±	SD) in
•	Patients with	P. vivax malaria.			,

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PK Parameter	Day	Primaquine		Carboxyprimaquine			
C _{max} (ng/mL)	1	50.7 ± 21.2		291 ± 52			
C _{max} (ng/mL)	14	49.7 ± 14.4		432 ±112			
AUC or AUC ₀₋₂₄ (μg/ mL*h) [†]	1	0.48 ± 0.26		5.15 ± 1.01			
AUC or AUC ₀₋₂₄ (µg/ mL*h) [†]	14	0.49 ± 0.19		7.24 ± 1.82			
Primaquine							
Absorption							
Bioavailability [‡]	Bioavailability [‡]		>70 %				
T _{max}		2.3 ± 1.1 hours					
Effect of food on Primaquine Phosphate Tablet (relative to fasting) [§] Geometric mean [95% confidence interval]			† 14% [3, 27] (AUC); † 26% [12, 40] (C _{max})				
Distribution							
% Bound to human plasma proteins			74% (mainly to alpha 1 acid glycoprotein)				
Volume of distribution (V) [¶]			243 ± 69 L				
Metabolism							
Metabolic pathways			-Oxidative deamination, MAO-A -Hydroxylation of the quinoline ring, CYP2D6 -Direct conjugations				
Elimination							
Major route of elimination		Metabolism					
Apparent Clearance (CL/F)		37.6 ± 14.7 L/hr					
Mean terminal half-life (t1/2)#			5.6 ± 1.0 hours				

PK Parameter	Day	Primaquine		Carboxyprimaquine	
% of dose excreted in urine ^{P, B}		64%, (including 3.6% of primaquine, the remnant being metabolites other than carboxyprimaguine)			

C_{max}=maximum plasma concentration; AUC=area under the plasma concentration-time curve from time zero up to infinity; MAO-A = monoamine oxidase A

*15 mg once daily in adult patients (18 years of age and older) with *P. vivax* malaria, unless otherwise specified

†AUC for primaguine, AUC₀₋₂₄ for carboxyprimaguine

Healthy participants

§Values refer to increase in mean systemic exposure with bread and butter: 82% fat, ~28g fat after single dose of 30 mg Primaquine in healthy participants ¶IV dose administration of [14C]-primaquine in healthy participants

#The mean terminal half-life of carboxyprimaguine is approximately 22 hours

POral administration of [¹⁴C]-primaguine in healthy participants; no data in feces

BThe main circulating metabolite, carboxyprimaquine is subjected to further metabolism and not eliminated through urine

Specific Populations

Gender and ethnicity

No gender nor ethnicity effect has been evidenced in studies conducted to date. Elderly patients

There are no pharmacokinetics studies in patients older than 52 years of age.

Hepatic impairment

Single dose pharmacokinetics study performed in patients with mild or moderate hepatic impairment indicate that only moderate hepatic dysfunction impacted significantly the PK of primaquine with a 3-fold lower primaquine C_{max} in patients with moderate hepatic dysfunction as compared to healthy subjects. The primaquine AUC was not significantly modified.

No data are available after repeated dosing in patients with hepatic impairment. It is not known whether in patients with hepatic impairment, accumulation of primaquine and its metabolites could occur or if there could be an impact on generation of metabolites contributing to pharmacological activity. Renal impairment

Single dose pharmacokinetics studies performed in patients with chronic severe (eGFR 15 to 29 mL/min) or end-stage (< 15 mL/min) renal impairment indicate higher primaquine C max (up to 1.7-fold higher as compared to healthy subjects) but no evidence of major difference in AUC or t_{1/2}. It is not known whether after repeated dosing there could be an accumulation of metabolites that are mainly excreted by renal route.

Drug Interaction Studies

Effect of other Drugs on the Pharmacokinetics of primaguine

In vitro data suggest primaquine is not a substrate of either P-gp or BCRP membrane transporters. Effect of primaguine on the Pharmacokinetics of other drugs

In vitro data suggest primaquine has the potential to inhibit CYP1A2 enzyme activity, but no or low potential to inhibit MAO-A, MAO-B, or CYP450 isoforms 2A6, 2C8, 2C9, 2C19, 2D6, 3A4 enzymes involved in drug biotransformation.

In vitro data suggest primaguine has the potential to inhibit the P-gp membrane transporter. Pharmacogenomics

Based on experiments in mice, primaguine activity probably depends on the formation of CYP2D6 metabolite(s). CYP2D6 polymorphism may be associated with variability in clinical response to Primaguine phosphate Tablets.

INDICATIONS AND USAGE

Primaguine phosphate Tablets are indicated for the radical cure (prevention of relapse) of vivax malaria. CONTRAINDICATIONS

Known hypersensitivity reactions to primaquine phosphate, other 8- aminoquinolones, or to any component in Primaquine phosphate Tablets.

Severe glucose-6-phosphate dehydrogenase (G6PD) deficiency (see WARNINGS, Hemolytic Anemia). Pregnant women (see WARNINGS, Pregnancy).

Breastfeeding by a lactating woman when the infant is found to be G6PD deficient or if G6PD status is unknown (see WARNINGS, Nursing Mothers).

Because quinacrine hydrochloride appears to potentiate the toxicity of antimalarial compounds which are structurally related to primaquine, the use of quinacrine in patients receiving Primaquine phosphate Tablets is contraindicated. Similarly, Primaquine phosphate Tablets should not be administered to patients who have received quinacrine recently, as toxicity is increased. WARNINGS

Hemolvtic Anemia

Hemolytic reactions (moderate to severe) may occur in individuals with G6PD deficiency and in individuals with a family or personal history of favism. Areas of high prevalence of G6PD deficiency are Africa, Southern Europe, Mediterranean region, Middle East, South-East Asia, and Oceania. People from these regions have a greater tendency to develop hemolytic anemia due to a congenital deficiency of erythrocytic G6PD while receiving primaquine and related drugs.

Due to the risk of hemolytic anemia in patients with G6PD deficiency, G6PD testing must be performed before using primaquine. Before initiating treatment, obtain baseline hemoglobin and hematocrit. In case of severe anemia, postpone the G6PD test and decision on treatment with primaquine until recovery

Due to the limitations of G6PD tests, physicians need to be aware of residual risk of hemolysis and adequate medical support and follow-up to manage hemolytic risk should be available. This is of particular importance in individuals with a personal or family history of hemolytic anemia. Patients with G6PD Deficiency

Primaquine phosphate Tablets are contraindicated in patients with severe G6PD deficiency (see CONTRAINDICATIONS).

In case of mild to moderate G6PD deficiency, a decision to prescribe primaquine must be based on an assessment of the risks and benefits of using primaquine. If primaquine administration is considered, baseline hematocrit and hemoglobin must be checked before treatment and close hematological monitoring (e.g., at day 3 and 8) is required. Adequate medical support to manage hemolytic risk should be available

Patients with Unknown G6PD Status

When the G6PD status is unknown and G6PD testing is not available, a decision to prescribe primaquine must be based on an assessment of the risks and benefits of using primaquine. Risk factors for G6PD deficiency or favism must be assessed. Baseline hematocrit and hemoglobin must be checked before treatment and close hematological monitoring (e.g., at day 3 and 8) is required. Adequate medical support to manage hemolytic risk should be available.

Patients without G6PD Deficiency

In G6PD normal patients it is also advisable to perform routine blood examinations (particularly blood cell counts and hemoglobin determinations) during therapy.

Risk of Hemolysis with Other Drugs

Avoid the concurrent administration of hemolytic agents in all patients (see CLINICAL PHARMACOL-OGY, Drug Interactions). Warn patients to discontinue the use of Primaquine phosphate Tablets promptly if signs suggestive of hemolytic anemia occur (such as darkening of the urine, pale skin, shortness of breath, dizziness, and fatigue) and to contact their healthcare professional immediately. Pregnancy

Safe usage of Primaquine phosphate Tablets in pregnancy has not been established. Primaquine is contraindicated in pregnant women. The use of Primaquine phosphate Tablets during pregnancy may cause hemolytic anemia in a G6PD-deficient fetus. Even if a pregnant woman has normal levels of G6PD, the fetus could be G6PD-deficient (see CONTRAINDICATIONS). Animal data show toxicity to reproduction and embryofetal development. (See PRECAUTIONS, Animal Pharmacology and/or Animal Toxicology)

Nonclinical data from studies conducted in bacteria and in animals treated with primaquine show evidence of gene mutations and chromosomal/DNA damage, teratogenicity, and injury to embryos and developing fetuses when primaquine is administered to pregnant animals. Inform patients of the potential for adverse genetic and reproductive effects associated with primaquine treatment (see PRECAUTIONS, Carcinogenesis, Mutagenesis, and Impairment of Fertility, and Animal Pharmacology and/or Animal Toxicology). Use in Females and Males of Reproductive Potential

Pregnancy Testing

Sexually active females of reproductive potential should have a pregnancy test prior to starting treatment with primaquine.

Contraception

Patients should avoid pregnancy during treatment. The use of effective contraception is recommended during treatment and after the end of treatment as follows: Advise sexually active females of childbearing potential to use effective contraception (methods that result in less than 1% pregnancy rates) when using primaguine and after stopping treatment until 2 menses have elapsed). Advise treated males whose partners may become pregnant, to use a condom while on treatment and for 3 months after stopping treatment with primaguine.

Nursing Mothers

A breastfed infant with G6PD deficiency is at risk for hemolytic anemia from exposure to primaquine. Infant G6PD status should be checked before breastfeeding begins. Primaquine phosphate Tablets are contraindicated in breastfeeding women when the infant is found to be G6PD deficient or the G6PD status of the infant is unknown (see CONTRAINDICATIONS). Advise the woman with a G6PD-deficient infant or if the G6PD status of the infant is unknown not to breastfeed.

The presence of primaquine and its major metabolite in breast milk and infant plasma were evaluated in a published study of 21 G6PD-normal lactating women and their G6PD-normal infants aged 28 days or older. After repeat administration of a 0.5 mg/kg/day primaquine base dose for 14 days in the lactating women, low concentrations of primaquine and carboxyprimaquine were measured both in breast milk and in infant plasma. The estimated infant ingested dose was found to be less than 1% of a 0.5 mg/kg/day primaquine dose dotted to a plasma dose dose of 14 days in the lactating women in infant plasma. The estimated infant ingested dose was found to be less than 1% of a 0.5 mg/kg/day primaquine base dose determined from an observed milk to maternal plasma AUC ratio of 0.34 (range: 0.12 to 0.64) and assuming an infant milk consumption of 150 mL/kg/day. Infant primaquine concentrations in plasma were below measurement thresholds (2.28 ng/mL) in all but 1 infant capillary plasma sample (2.6 ng/mL), and carboxyprimaquine concentrations in plasma were likewise unmeasurable in the majority of infant samples (range, 4.88 ng/mL [measurement threshold] to maximum value 25.8 ng/mL). There is no information on the effects of Primaquine phosphate Tablets on the breastfed infant, or the effects on milk production.

PRECAUTIONS Methemoglobinemia

Primaquine may cause a transient increase in methemoglobin levels up to 10% in patients without risk factors (see ADVERSE REACTIONS). Methemoglobinemia may be severe in patients who are deficient in nicotinamide adenine dinucleotide (NADH), methemoglobin reductase or treated with methemoglobinemia-inducing drugs such as dapsone or sulfonamide, (see PRECAUTIONS, Drug Interactions). Monitor methemoglobin levels closely in these cases.

Advise all patients to seek immediate medical attention if signs of methemoglobinemia occur such as bluish lips or nails.

Leukopenia

Primaquine may cause leukopenia in patients with established granulocytopenia, such as rheumatoid arthritis and lupus erythematosus. Avoid concurrent administration of bone-marrow depressants. Discontinue the use of primaquine promptly if there is a sudden decrease in leukocyte count.

Potential Prolongation of QT Interval

Due to potential for QT interval prolongation, monitor ECG when using primaquine in patients with cardiac disease, long QT syndrome, a history of ventricular arrhythmias, uncorrected hypokalemia and/or hypomagnesemia, or bradycardia (<50 bpm), and during concomitant administration with QT interval prolonging agents (see PRECAUTIONS, Drug Interactions, ADVERSE REACTIONS, and OVERDÓSAGE)

CYP2D6 Potent Inhibitors, CYP2D6 Poor Metabolizers and Treatment Failure

Based on published non-clinical reports, primaquine activity probably depends on the formation of CYP2D6 metabolite(s). Therefore, CYP2D6 polymorphism or drugs that impact CYP2D6 activity may be associated with variability in clinical response to Primaquine phosphate Tablets.

Limited published clinical data reported more elevated treatment failure rates in patients with CYP2D6 poor or intermediate metabolizer status than in patients with normal/extensive metabolizer status (see CLINICAL PHARMACOLOGY).

Where possible, consider alternative medications that are not potent CYP2D6 inhibitors. If concurrent use with Primaquine phosphate Tablets is necessary, increase monitoring for possible relapse (see PRECAUTIONS, Drug Interactions).

In case of treatment failure, after checking patient's compliance to treatment, reassess use of CYP2D6 inhibitors and assess the patient's CYP2D6 status, if feasible. For poor CYP2D6 metabolizers, alternative treatment should be considered.

Carcinogenesis, Mutagenesis, Impairment of Fertility

No carcinogenicity studies have been conducted with primaguine. No fertility studies have been conducted with primaquine. Primaquine is reported in the literature to be a weak genotoxic agent which elicits both gene mutations¹, chromosomal damage and DNA strand breaks². The publications reported positive results in the *in vitro* reverse gene mutation assays using bacteria (Ames test)^{3,4} and in the in vivo studies using rodents (mouse bone marrow cell sister chromatid exchange, mouse bone marrow cell chromosome abnormality, and rat DNA strand breaks in multiple organs)^{2, 5}. The genotoxicity data obtained in vitro and in rodent models are suggestive of a human risk for genotoxicity with primaguine administration (see WARNINGS, Usage in Pregnancy) Animal Pharmacology and/or Animal Toxicology

Literature data on reproductive toxicology identified embryo-fetal development toxicity. In studies in rats, teratogenic effects on fetus were observed (see WARNINGS, Usage in Pregnancy). In the first reproductive toxicity study⁶, primaguine was administered orally to rats between gestation

day (GD) 6 and GD15 at dose levels of 10.3, 30.8 and 61.5 mg/kg/day (as base) (representing approximatively 7, 20 and 40 times the human dose [HD] on a body surface area comparison) when considering a human body weight of 60 kg). High dose levels induced death of pregnant females in almost all cases, while lower dose levels caused maternal toxicity. At cesarean section, embryo resorption, a decrease in fetal survival rate and body size, internal abnormalities (including hydrocephalia, heterotaxia), and an increase in skeletal variations were observed at the mid dose-level. There were no fetal abnormalities at the low dose level providing a potential safety margin of at least 7 times the recommended clinical dose.

For the second reproductive toxicity study⁷, 6 to10 animals per group were used. Dose levels of 0.57, 5.7, 11.4 and 34 mg/kg/day of primaquine (as base) (representing approximatively 0.4, 4, 7 and 22 times the HD on a body surface area comparison) were administered orally to Sprague Dawley rats between GD8 and GD16, or of 57 mg/kg only once on GD13 (representing more than 37 times the HD on a body surface area comparison). A total of 1/7 and 4/6 pregnant females at 34 mg/kg/day and at 57 mg/kg, respectively, died. Primaquine-associated teratogenic malformations (including cleft palate and small chin) were observed in 4/54 fetuses in the 57 mg/kg single-dose group.

Drug Interactions

Pharmacodynamics Interactions

Quinacrine Concurrent use of quinacrine (mepacrine) and Primaquine phosphate Tablets are contraindicated. Increased toxicity was seen when quinacrine was used with pamaquine, another 8-aminoquinoline (see CONTRAINDICATIONS).

Hemolytic Agents and Methemoglobinemia-Inducing Drugs The concurrent administration of hemolytic agents or methemoglobinemia-inducing drugs and prima-quine should be avoided (see PRECAUTIONS). If the concurrent administration cannot be avoided, close blood monitoring is required.

QT Interval Prolonging Drugs

The pharmacodynamic interaction potential to prolong the QT interval of the electrocardiogram between Primaguine phosphate Tablets and other drugs that effect cardiac conduction is unknown. If Primaguine phosphate Tablets are used concomitantly with other drugs that prolong the QT interval, close and frequent electrocardiogram monitoring is advised (see PRECAUTIONS, ADVERSE REACTIONS, and OVERDOSAGE).

Effects of Other Drugs on the Pharmacokinetics of Primaguine

Potent CYP2D6 Inhibitors

Published clinical and non-clinical reports indicate reduced CYP2D6 activity may decrease the formation of active metabolites of primaquine, which may reduce antimalarial efficacy of Primaquine phosphate Tablets. Where possible, consider alternative medications that are not potent CYP2D6 inhibitors. If concurrent use with Primaquine phosphate Tablets is necessary, increase monitoring for possible relapse.

Effects of Primaquine on the Pharmacokinetics of Other Drugs

CYP1A2 Substrates

Published clinical and non-clinical reports indicate primaquine inhibits CYP1A2 enzyme activity and thus may lead to increased exposure of CYP1A2 substrate drugs (e.g., duloxetine, alosetron, theophylline and tizanidine) when co-administered with Primaquine phosphate Tablets. Since data are limited, no predictions can be made regarding the extent of the impact on CYP1A2 substrate drug exposures. Increase monitoring for adverse reactions associated with the CYP1A2 substrate drug when concurrently administered with Primaquine phosphate tablets.

P-gp Substrates with Narrow Therapeutic Index

In vitro observations suggest that primaquine inhibits the P-gp membrane transporter. Therefore, there is a potential for increased concentrations of drugs that are P-gp substrates when co-administered with Primaguine phosphate Tablets. Increase monitoring for adverse reactions associated with narrow therapeutic index drugs that are P-gp substrates (e.g., digoxin and dabigatran) when concomitantly administered with Primaguine phosphate Tablets.

Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

Primaquine phosphate Tablets are contraindicated in breastfeeding women when the infant is found to be G6PD deficient or the G6PD status of the infant is unknown (see CONTRAINDICATIONS and WARNINGS, Nursing Mothers).

Geriatric Use

Clinical studies of Primaquine phosphate Tablets did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients.

In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

Hepatic Impairment

Efficacy and safety of Primaguine phosphate Tablets after repeated dosing have not been assessed in patients with hepatic impairment. Primaguine is metabolized in the liver to generate active metabolites, and it is not known if efficacy could be affected in patients with hepatic impairment. Because of limited data, there is no specific dosing adjustment. If Primaquine phosphate Tablets are administered to such patients, monitoring of efficacy and for primaquine-related adverse reactions is needed, in particular in patients with severe hepatic impairment (see CLINICAL PHARMACOLOGY). **Renal Impairment**

The efficacy and safety of Primaquine phosphate Tablets after repeated dosing have not been assessed in patients with renal impairment. Because of limited data, there is no specific dosing adjustment. If Primaquine phosphate Tablets are administered to such patients, monitoring of efficacy and for primaquine-related adverse reactions is needed, in particular in patients with severe renal impairment (see CLINICAL PHARMACOLOGY).

ADVERSE REACTIONS

Gastrointestinal: Nausea, vomiting, epigastric distress, abdominal cramps.

Hematologic: Leukopenia, hemolytic anemia, decreased hemoglobin, methemoglobinemia.

Hemolytic anemia occurs commonly in patients with G6PD deficiency and may be severe or fatal in patients with severe G6PD deficiency (see WARNINGS).

Methemoglobin levels are usually <10%, but methemoglobinemia may be severe in nicotinamide adenine dinucleotide (NADH) methemoglobin reductase deficient individuals or in patients with other risk factors (see PRECAUTIONS).

Leukopenia was observed in patients with rheumatoid arthritis or lupus erythematosus (see PRECAUTIONS).

Cardiac: Cardiac arrhythmia and QT interval prolongation (see PRECAUTIONS, OVERDOSAGE). Nervous System: Dizziness.

Skin and Soft Tissue: Rash. pruritus.

OVERDOSAGE

Signs and symptoms

Symptoms of overdosage of primaquine phosphate include abdominal cramps, vomiting, burning epigastric distress, central nervous system disturbances including headache, insomnia, and cardiovascular disturbances, including cardiac arrhythmia and QT interval prolongation, methemoglobinemia (indicated by cyanosis), moderate leukocytosis or leukopenia, granulocytopenia, and anemia. Acute hemolysis may occur with particular severity in G6PD deficient patients.

Management

Treatment of overdosage consists of institution of appropriate symptomatic and/or supportive therapy. Consider contacting a poison center or a medical toxicologist for overdosage management recommendations.

DOSAGE AND ADMINISTRATION

Primaquine phosphate Tablets are recommended only for the radical cure of vivax malaria, the prevention of relapse in vivax malaria, or following the termination of chloroquine phosphate suppressive therapy in an area where vivax malaria is endemic. Patients suffering from an attack of vivax malaria or having parasitized red blood cells should receive a course of chloroquine phosphate, which quickly destroys the erythrocytic parasites and terminates the paroxysm. Primaquine phosphate Tablets should be administered concurrently to eradicate the exoerythrocytic parasites in adults at a dosage of 1 tablet (equivalent to 15 mg base) daily for 14 days.

Primaquine phosphate Tablets can be taken with or without food. Administration of Primaquine phosphate Tablets with food may reduce the incidence of gastrointestinal symptoms.

HOW SUPPLIED

Primaquine phosphate Tablets are supplied as pink, convex, discoid, film-coated tablets of 26.3 mg (= 15 mg base), printed with a "W" and "P97" on one side.

Available in bottles of 100 tablets. (NDC 0024-1596-01)

Store at 25° C (77° F); excursions permitted to 15° C – 30° C (59° F – 86° F) [see USP Controlled Room Temperature]

Dispense in tight, light-resistant container as defined in the USP/NF.

CLINICAL STUDIES

Persons with acute attacks of vivax malaria, provoked by the release of erythrocytic forms of the parasite, respond readily to therapy, particularly to chloroquine phosphate. Primaquine eliminates tissue (exoerythrocytic) infection and prevents relapses in experimentally induced vivax malaria in human volunteers and in persons with naturally occurring infections and is a valuable adjunct to conventional therapy in vivax malaria.

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Rx Only

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