MEFLOQUINE HYDROCHLORIDE Tablets USP

$R_{\mathbf{x}}$ only

WARNING

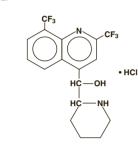
Mefloquine may cause neuropsychiatric adverse reactions that can persis after mefloquine has been discontinued. Mefloquine should not be prescribe for prophylaxis in patients with major psychiatric disorders. During prophylactic se, if psychiatric or neurologic symptoms occur, the drug should be disconti ued and an alternative medication should be substituted (see WARNINGS).

DESCRIPTION

Mefloquine hydrochloride USP is an antimalarial agent available as 250 mg tablets of mefloquine hydrochloride USP (equivalent to 228 mg of the free base) for oral administra-

Mefloquine hydrochloride USP is a 4-quinolinemethanol derivative with the specific chemical name of (R*,S*)-(±)-α-2-piperidinyI-2,8-bis(trifluoromethyI)-4-quinolir hydrochloride. It is a 2-aryl substituted chemical structural analog of quinine. The drug is a white to almost white crystalline compound, slightly soluble in water

Mefloquine hydrochloride USP has a calculated molecular weight of 414.78 and the following structural formula:



spovidone, lactose (regular), magnesium stearate, microcrystalline cellulose, poloxamer 331. povidone, and starch

CLINICAL PHARMACOLOGY

Pharmacokinetics

bsorption: The absolute oral bioavailability of mefloquine has not been determined since an intravenous formulation is not available. The bioavailability of the tablet formation compared with an oral solution was over 85%. The presence of food significantly tion of intravenous treatment, mefloquine may be given to complete the course of therapy. enhances the rate and extent of absorption. leading to about a 40% increase in bioavailability. In healthy volunteers, plasma concentrations peak 6 to 24 hours (median, about 17 hours) after a single dose of mefloquine. In a similar group of volunteers, maximum plasma concentrations in mcg/L are roughly equivalent to the dose in milligrams (for ex- (see CLINICAL PHARMACOLOGY: Pharmacokinetics: Elimination). ample, a single 1000 mg dose produces a maximum concentration of about 1000 mg/l) In healthy volunteers, a dose of 250 mg once weekly produces maximum steady-state plasma concentrations of 1000 to 2000 mcg/L, which are reached after 7 to 10 weeks.

Distribution: In healthy adults, the apparent volume of distribution is approximately 20 L/kg, indicating extensive tissue distribution. Mefloquine may accumulate in parasitized erythrocytes. Experiments conducted in vitro with human blood using concentrations between 50 and 1000 mg/mL showed a relatively constant erythrocyte-to-plasma concentration ratio of about 2 to 1. The equilibrium reached in less than 30 minutes, was found to be reversible. Protein binding is about 98%

PRECAUTIONS: Nursing Mothers).

Metabolism: Mefloquine is extensively metabolized in the liver by the cytochrome P450 system. In vitro and in vivo studies strongly suggested that CYP3A4 is the major isoform involved

Two metabolites have been identified in humans. The main metabolite 2.8-bis-trifluafter a single oral dose. Maximum plasma concentrations, which were about 50% higher concentration-time curve (AUC) of the main metabolite was 3 to 5 times larger than that of with a previous history of depression. the parent drug. The other metabolite, an alcohol, was present in minute quantities only.

Elimination: In several studies in healthy adults, the mean elimination half-life of meance which is essentially hepatic is in the order of 30 ml /min There is evidence that tinued and an alternative medication should be substituted. mefloquine is excreted mainly in the bile and feces. In volunteers, urinary excretion of unchanged mefloquine and its main metabolite under steady-state condition accounted for about 9% and 4% of the dose, respectively. Concentrations of other metabolites could not be measured in the urine.

Pharmacokinetics in Special Clinical Situations: Children and the Elderly: No relevant age-related changes have been observed in the pharmacokinetics of mefloquine. Therefore, the dosage for children has been extrapolated from the recommended adult dose.

No pharmacokinetic studies have been performed in patients with renal insufficiency since only a small proportion of the drug is eliminated renally. Mefloquine and its main and fine motor coordination, such as driving, piloting aircraft, operating machinery, and metabolite are not appreciably removed by hemodialysis. No special chemoprophylactic dosage adjustments are indicated for dialysis patients to achieve concentrations in plasma similar to those in healthy persons.

Although clearance of mefloquine may increase in late pregnancy, in general, pregnancy has no clinically relevant effect on the pharmacokinetics of mefloquine.

The pharmacokinetics of mefloquine may be altered in acute malaria.

Pharmacokinetic differences have been observed between various ethnic population In practice, however, these are of minor importance compared with host immune status and sensitivity of the parasite

During long-term prophylaxis (>2 years), the trough concentrations and the elimina-

10002082/10 tion half-life of mefloquine were similar to those obtained in the same population after 6 months of drug use, which is when they reached steady state

In vitro and in vivo studies showed no hemolysis associated with glucose-6-phosphate dehydrogenase deficiency (see ANIMAL TOXICOLOGY). Microbiology

Mechanism of Action: Mefloquine is an antimalarial agent which acts as a blood schizonticide. Its exact mechanism of action is not known.

Activity In Vitro and In Vivo: Mefloquine is active against the erythrocytic stages of Plasmodium species (see INDICATIONS AND USAGE). However, the drug has no effect against the exoerythrocytic (hepatic) stages of the parasite. Mefloquine is effective against aria parasites resistant to chloroquine (see INDICATIONS AND USAGE).

Drug Resistance: Strains of P falciparum with decreased susceptibility to mefloquine can be selected in vitro or in vivo. Resistance of P. falciparum to mefloquine has been reported in areas of multi-drug resistance in South East Asia. Increased incidences of istance have also been reported in other parts of the world.

Cross Resistance: Cross-resistance between mefloquine and halofantrine and crossresistance between mefloquine and quinine have been observed in some regions.

INDICATIONS AND USAGE

Treatment of Acute Malaria Infections

Mefloquine Hydrochloride Tablets USP are indicated for the treatment of mild to moderate acute malaria caused by mefloquine-susceptible strains of *P. falciparum* (both chloroquine-susceptible and resistant strains) or by Plasmodium vivax. There are insufficient linical data to document the effect of mefloquine in malaria caused by P. ovale or P.

Note: Patients with acute P. vivax malaria, treated with mefloquine, are at high risk of relapse because mefloquine does not eliminate exoerythrocytic (hepatic phase) parasites. To avoid relapse, after initial treatment of the acute infection with mefloquine patients should subsequently be treated with an 8-aminoquinoline derivative (e.g., primaquine).

Prevention of Malaria

Mefloquine Hydrochloride Tablets USP are indicated for the prophylaxis of P. falciparum and P. vivax malaria infections, including prophylaxis of chloroguine-resistant strains of P. Agranulocytosis and Aplastic Anemia falciparum.

CONTRAINDICATIONS

Use of Mefloquine Hydrochloride Tablets USP are contraindicated in patients with a known hypersensitivity to mefloquine or related compounds (e.g., quinine and quinidine) Information for Patients The inactive ingredients are calcium-ammonium alginate, colloidal silicon dioxide, cro- or to any of the excipients contained in the formulation. Mefloquine Hydrochloride Tablets USP should not be prescribed for prophylaxis in patients with active depression, a recent history of depression, generalized anxiety disorder, psychosis, schizophrenia or other major psychiatric disorders, or with a history of convulsions.

WARNINGS

In case of life-threatening, serious or overwhelming malaria infections due to P. falciparum, patients should be treated with an intravenous antimalarial drug. Following comple-QTc Interval Prolongation and Drug Interactions

Halofantrine should not be administered with mefloquine or within 15 weeks of the las dose of mefloquine due to the risk of a potentially fatal prolongation of the QTc interval

Ketoconazole should not be administered with mefloquine or within 15 weeks of the last dose of mefloquine due to the risk of a potentially fatal prolongation of the QTc interval. Ketoconazole increases plasma concentrations and elimination half-life of mefloquine fol lowing co-administration (see CLINICAL PHARMACOLOGY: Pharmacokinetics: Elimination and PRECAUTIONS: Drug Interactions).

Concomitant administration of mefloquine and quinine or quinidine may produce electrocardiographic abnormalities.

Psychiatric and Neurologic Adverse Reactions

Mefloquine may cause neuropsychiatric adverse reactions in adults and children. Mefloquine crosses the placenta. Excretion into breast milk appears to be minimal (see Neuropsychiatric symptoms can be difficult to identify in children. Therefore, vigilance is required to monitor for the occurrence of these symptoms, especially in non-verbal children

Psychiatric Adverse Reactions

Psychiatric symptoms ranging from anxiety, paranoia, and depression to hallucinations oromethyl-4-quinoline carboxylic acid, is inactive in Plasmodium falciparum. In a study course of mefloquine use. In some cases, these symptoms have been reported to conin healthy volunteers, the carboxylic acid metabolite appeared in plasma 2 to 4 hours tinue for months or years after mefloquine has been stopped. Cases of suicidal ideation and suicide have been reported. Mefloquine should not be prescribed for prophylaxis in than those of mefloquine, were reached after 2 weeks. Thereafter, plasma levels of the patients with active depression, generalized anxiety disorder, psychosis, or schizophrenia weeks of the last dose of mefloquine due to the risk of a potentially fatal prolongation of main metabolite and mefloquine declined at a similar rate. The area under the plasma or other major psychiatric disorders. Mefloquine should be used with caution in patients the OTc interval (see WARNINGS).

> During prophylactic use, the occurrence of psychiatric symptoms such as acute anxiety, depression, restlessness or confusion suggest a risk for more serious psychiatric Neurologic Adverse Reactions

> Neurologic symptoms such as dizziness or vertigo, tinnitus, and loss of balance have reported to be permanent in some cases. During prophylactic use, if neurologic symptoms occur, the drug should be discontinued and an alternative medication should be substituted. Caution should be exercised with regard to activities requiring alertness deep-sea diving, while symptoms persist.

Mefloquine may increase the risk of convulsions in patients with epilepsy. The Interactions). Concomitant administration of mefloquine and quinine or chloroquine may above listed agents has an effect on cardiac function. increase the risk of convulsions.

Hypersensitivity Reactions Hypersensitivity reactions have been reported with mefloquine use.

Use in Patients with Hepatic Impairment In patients with impaired liver function, the elimination of mefloquine may be prolonged,

Long-Term Use

Important: Your doctor or pharmacist will give ations for neuropsychiatric effects should be performed (see WARNINGS and ADVERSE REACTIONS: Postmarketing). you an Information Wallet Card along with this Periodic ophthalmic examinations are recommended. Retinal abnormalities seen in Medication Guide. It has important information about grams). humans with long-term chloroquine use have not been observed with mefloquine use, mefloquine and should be carried with you at all times however, long-term feeding of mefloquine to rats resulted in dose-related ocular lesions (retinal degeneration, retinal edema and lenticular opacity at 12.5 mg/kg/day and higher) while you take mefloquine.

(see ANIMAL TOXICOLOGY) Cardiac Effects

Parenteral studies in animals show that mefloquine, a myocardial depressant, posknow about mefloquine? sesses 20% of the anti-fibrillatory action of quinidine and produces 50% of the increase in the PR interval reported with auinine. The effect of mefloauine on the compromised Mefloquine can cause serious side effects, includcardiovascular system has not been evaluated. However, transitory and clinically silent ina: ECG alterations have been reported during the use of mefloquine; alterations included Heart Problems. sinus bradycardia, sinus arrhythmia, first degree AV-block, prolongation of the QTc inter-Do not take halofantrine (used to treat malaria) or ketoval and abnormal T waves (see also cardiovascular effects under PRECAUTIONS: Drug Interactions and ADVERSE REACTIONS). The benefits of mefloquine therapy should be weighed against the possibility of adverse effects in patients with cardiac disease. Drug Resistance and Cross-Resistance

Geographical drug resistance patterns of *P. falciparum* occur and the preferred choice of malaria prophylaxis might be different from one area to another. For example, resistance of P falciparum to mefloquine has been reported, predominantly in areas of multi-drug resistance in South-East Asia. Cross-resistance between mefloquine and halofantrine and cross-resistance between mefloquine and quinine have been observed in some regions.

REACTIONS).

Laboratory Tests

tion wallet card is reprinted at the end of this document.

Patients should be advised:

- that malaria can be a life-threatening infection;
- serious infection:
- that insomnia may occur

Drug Interactions

Drug-drug interactions with mefloguine have not been explored in detail. There is one eport of cardiopulmonary arrest, with full recovery, in a patient who was taking a beta blocker (propranolol) (see **PRECAUTIONS: Cardiac Effects**). The effects of mefloquine and psychotic behavior can occur with mefloquine use. Symptoms may occur early in the on the compromised cardiovascular system have not been evaluated. The benefits of mefloquine therapy should be weighed against the possibility of adverse effects in patients with cardiac disease

Halofantrine: Halofantrine should not be administered with mefloquine or within 15

Other Antimalarial Drugs: Concomitant administration of mefloquine and other related antimalarial compounds (e.g., quinine, quinidine and chloroquine) may produce electrocardiographic abnormalities and increase the risk of convulsions (see WARNINGS). If floquine varied between 2 and 4 weeks, with an average of about 3 weeks. Total clear- disturbances or neurologic adverse reactions. In these cases, the drug should be discon- these drugs are to be used in the initial treatment of severe malaria, mefloquine administration should be delayed at least 12 hours after the last dose. Clinically significant QTc prolongation has not been found with mefloquine alone.

Ketoconazole (Potent Inhibitor of CYP3A4): Co-administration of a single 500 mg oral been reported. These adverse reactions may occur early in the course of mefloquine use dose of mefloquine with 400 mg of ketoconazole once daily for 10 days in 8 healthy voland in some cases have been reported to continue for months or years after mefloquine unteers resulted in an increase in the mean Cmax and AUC of mefloquine by 64% and has been stopped. Dizziness or vertigo, tinnitus, and loss of balance have been 79%, respectively, and an increase in the mean elimination half-life of mefloquine from 322 hours to 448 hours. Ketoconazole should not be administered with mefloquine or within 15 weeks of the last dose of mefloquine due to the risk of a potentially fatal prolongation of the OTc interval (see WARNINGS)

Other Drugs That Prolong the QTc Interval: Co-administration of other drugs known to alter cardiac conduction (e.g., anti-arrhythmic or beta-adrenergic blocking agents, calcium channel blockers, antihistamines or H1-blocking agents, tricyclic antidepressants and phedrug should therefore be prescribed only for curative treatment in such patients and nothiazines) might also contribute to a prolongation of the QTc interval. There are no data only if there are compelling medical reasons for its use (see PRECAUTIONS: Drug that conclusively establish whether the concomitant administration of mefloquine and the

Anticonvulsants: In patients taking an anticonvulsant (e.g., valproic acid, carbamazepine, phenobarbital or phenytoin), the concomitant use of mefloquine may reduce seizure control by lowering the plasma levels of the anticonvulsant. Therefore, patients concurrently taking anti-seizure medication and mefloquine should have the blood level of their anti-seizure medication monitored and the dosage adjusted appropriately (see PRECAU-



PRECAUTIONS

leading to higher plasma levels and a higher risk of adverse reactions.

This drug has been administered for longer than one year. If the drug is to be administered for a prolonged period, periodic evaluations including liver function tests and evalu-

Cases of agranulocytosis and aplastic anemia have been reported (see ADVERSE

Periodic evaluation of hepatic function should be performed during prolonged prophy-

Medication Guide: As required by law, a Mefloguine Medication Guide is supplied to patients when mefloquine is dispensed. An information wallet card is also supplied to patients when mefloquine is dispensed. Patients should be instructed to read the Medication Guide when mefloquine is received and to carry the information wallet card with them when they are taking mefloguine. The complete text of the Medication Guide and informa-

that mefloquine hydrochloride tablets are being prescribed to help prevent or treat this

that some patients are unable to take this medication because of side effects, including dizziness or vertigo and loss of balance, and it may be necessary to change medications. In some patients it has been reported that these symptoms may continue for months or years after discontinuation of the drug and can be permanent in some cases;

• that when used as prophylaxis, the first dose of mefloquine hydrochloride tablets should be taken one week prior to arrival in an endemic area;

that if the patients experience psychiatric adverse reactions such as acute anxiety, lenression, restlessness or confusion, or suicidal ideation, the drug should be discontinued and an alternative medication should be substituted:

that no chemoprophylactic regimen is 100% effective, and protective clothing, insect repellents, and bed nets are important components of malaria prophylaxis;

• to seek medical attention for any febrile illness that occurs after return from a malara area and to inform their physician that they may have been exposed to malaria.

MEDICATION GUIDE

MEFLOQUINE HYDROCHLORIDE Tablets USP

R_v only

What is the most important information I should

conazole (used for fungal infections) with mefloquine or within 15 weeks of your last dose of mefloquine. You may get serious heart problems (problems with the electrical system of your heart called QT prolongation) that have any of the medical conditions listed above. can lead to death. Do not take guinine (Qualaguin) or quinidine (used to treat malaria or irregular heart beat) What should I tell my doctor before taking meflowith mefloquine. You may get serious heart problems.

2. Mental problems.

Symptoms of serious mental problems may include: severe anxiety

- paranoia (feelings of mistrust towards others)
- hallucinations (seeing or hearing things that are not seizures or epilepsy
- there) depression
- feeling restless
- unusual behavior
- feeling confused

Some people who take mefloquine think about suicide (putting an end to their life). Some people who were taking mefloquine committed suicide. It is not known if mefloquine was responsible for those suicides.

If you have any of these serious mental problems, or you develop other serious side effects or mental problems, you should contact your doctor right away as it may be necessary to stop taking mefloquine and use a different medicine to prevent malaria.

3. Problems with your body's nervous system.

Symptoms of serious nervous system problems may include

- dizziness
- a feeling that you or things around you are moving or spinning (vertigo)
- loss of balance
- ringing sound in your ears (tinnitus)
- · convulsions (seizures) in people who already have seizures (epilepsy)
- convulsions (seizures) in people who take quinine or chloroquine (used to treat malaria) with mefloquine. Do not take quinine (Qualaquin) or chloroquine (Aralen) with mefloquine.
- unable to sleep (insomnia)

Dizziness, vertigo, tinnitus, and loss of balance • Take mefloquine just after eating your largest meal of can go on for months or years after mefloquine is stopped or may become permanent in some people.

Important: You need to take malaria prevention medicine before you travel to a malaria area, while • Continue taking mefloquine for 4 weeks after returning you are in a malaria area, and after you return from a malaria area.

- If you are told by a doctor to stop taking mefloquine because of the side effects or for other reasons, you will need to take different malaria medicine.
- If you do not have access to a doctor or to another médicine and have to stop taking mefloquine, leave • If you take mefloquine for a year or longer, your doctor the malaria area and contact a doctor as soon as possible because leaving the malaria area may not protect you from getting malaria. You will still need

weeks after you leave the malaria area.

What is mefloquine?

Mefloquine is a prescription medicine used to prevent and treat malaria. Malaria can be a life-threatening infection. Mefloquine does not work for all types of malaria.

It is not known if mefloquine is safe and effective in children under 6 months old for the treatment of malaria. It is not known how well mefloquine works to prevent malaria in children weighing less than 44 lbs (20 kilo-

Who should not take mefloquine? Do not take mefloquine if you have:

- depression or had depression recently
- had recent mental problems, including anxiety disorder, schizophrenia, or psychosis (losing touch with reality)
- seizures or had seizures (epilepsy or convulsions)
- · an allergy to guinine, guinidine, mefloguine or any inaredients in mefloquine. See the end of this Medication Guide for a complete list of ingredients in meflo-

Talk to your doctor before you take mefloquine if you

auine?

Before taking mefloquine, tell your doctor about all your medical conditions, including if you have:

- heart disease
- liver problems
- diabetes
- blood clotting problems or take blood thinner medicines (anticoagulants)
- mental problems

• are pregnant or plan to become pregnant. It is not known if mefloguine will harm your unborn baby. Talk to you doctor if you are pregnant or plan to become pregnant

- You should use birth control while you take mefloquine and for 3 months after you stop mefloquine. If you have an unplanned pregnancy, talk to vour doctor right away
- are breast-feeding or plan to breast-feed. Mefloquine can pass into your breast milk and may harm your baby. Ask your doctor whether you will need to stop breastfeeding or use a different medicine

Contact your doctor right away if you have a fever after leaving a malaria area.

Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements. Mefloguine and other medicines may affect each other causing side effects.

How should I take mefloquine?

- Take mefloquine exactly as your doctor tells you to take it. Your doctor will tell you how many mefloquine tablets to take and when to take them.
- You will start taking mefloquine to prevent malaria between 1 to 3 weeks before you travel to a malaria area.
- the day and with at least one cup (8 ounces) of water.
- Do not take mefloquine on an empty stomach. · If you vomit after taking mefloquine, contact your doc-
- tor to see if you should take another dose.
- from a malaria area
- Mefloguine tablets may be crushed and mixed with a small amount of water, milk or other beverage for children or other people unable to swallow mefloguine whole. Your doctor will tell you the correct dose for your child based on your child's weight.
- should check your
- eyes (especially if you have trouble seeing while you take mefloquine)
- to take a malaria prevention medicine for another 4 liver function to see if there has been damage to

MEDICATION GUIDE

MEFLOQUINE HYDROCHLORIDE Tablets USP

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Important: Your doctor or pharmacist will give you an Information Wallet Card along with this Medication Guide. It has important information about grams). mefloquine and should be carried with you at all times while you take mefloquine.

What is the most important information I should know about mefloquine?

Mefloquine can cause serious side effects, includina:

Heart Problems.

Do not take halofantrine (used to treat malaria) or ketogredients in mefloquine. See the end of this Medicaconazole (used for fungal infections) with mefloquine or tion Guide for a complete list of ingredients in meflowithin 15 weeks of your last dose of mefloquine. You may get serious heart problems (problems with the elec-Talk to your doctor before you take mefloquine if you trical system of your heart called QT prolongation) that have any of the medical conditions listed above. can lead to death. Do not take guinine (Qualaguin) of quinidine (used to treat malaria or irregular heart beat) What should I tell my doctor before taking meflowith mefloquine. You may get serious heart problems. auine?

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(Aralen) with mefloquine

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loss of balance

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• ringing sound in your ears (tinnitus)

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If you do not have access to a doctor or to another the malaria area and contact a doctor as soon as possible because leaving the malaria area may not protect you from getting malaria. You will still need to take a malaria prevention medicine for another 4 weeks after you leave the malaria area.

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- liver problems seizures or epilepsy
- diabetes
- · blood clotting problems or take blood thinner medicines (anticoagulants)
- mental problems
- are pregnant or plan to become pregnant. It is not known if mefloquine will harm your unborn baby. Talk to you doctor if you are pregnant or plan to become pregnant
- You should use birth control while you take mefloquine and for 3 months after you stop meflo**quine.** If you have an unplanned pregnancy, talk to vour doctor right away
- are breast-feeding or plan to breast-feed. Mefloguine can pass into your breast milk and may harm your baby. Ask your doctor whether you will need to stop breastfeeding or use a different medicine.

Contact your doctor right away if you have a fever after leaving a malaria area.

• a feeling that you or things around you are moving or Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements. Mefloquine and other medicines may affect each other causing side effects.

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 - You will start taking mefloquine to prevent malaria between 1 to 3 weeks before you travel to a malaria area.
- Dizziness, vertigo, tinnitus, and loss of balance Take mefloquine just after eating your largest meal of the day and with at least one cup (8 ounces) of water. • Do not take mefloquine on an empty stomach.
 - If you vomit after taking mefloquine, contact your doctor to see if you should take another dose.
 - Continue taking mefloquine for 4 weeks after returning from a malaria area.
 - Mefloquine tablets may be crushed and mixed with a small amount of water, milk or other beverage for children or other people unable to swallow mefloquine whole. Your doctor will tell you the correct dose for your child based on your child's weight.
- médicine and have to stop taking mefloquine, leave . If you take mefloquine for a year or longer, your doctor should check your
 - eyes (especially if you have trouble seeing while you take mefloquine)
 - liver function to see if there has been damage to

vour liver

 Use protective clothing, insect repellents, and bednets to protect you from being bitten by mosquitoes. Medi- How should I store mefloquine? cine alone does not always stop you from catching • Store mefloquine between 59°F to 86°F (15°C to malaria from mosquito bites.

What should I avoid while taking mefloquine?

Avoid activities such as driving a car or using heavy **Keep mefloquine and all medicines out of the reach** machinery or other activities needing alertness and of children. careful movements (fine motor coordination) until you know how mefloquine affects you. You may feel dizzy General information about the safe and effective use or lose your balance. This could happen for months or of mefloquine. years after you stop taking mefloquine and can be permanent in some cases. See "What are the possible other than those listed in a Medication Guide. Do not side effects of mefloquine?"

What are the possible side effects of mefloquine? See "What is the most important information I

should know about mefloquine?"

liver problems

Call your healthcare provider right away if you have written for health professionals. unexplained symptoms such as nausea or vomiting, stomach pain, fever, weakness, itching, unusual tired- What are the ingredients in mefloquine? ness, loss of appetite, light colored bowel movements, dark colored urine, yellowing of your skin or the white of your eves.

The most common side effects of mefloquine include:

- nausea
- vomiting
- diarrhea
- abdominal pain

headache

The most common side effects in people who take me- Roxane Laboratories, Inc. floquine for treatment include

- muscle pain
- fever
- chills
- skin rash
- fatigue
- loss of appetite
- irregular heart beat

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of mefloquine. For more information, ask your doctor or pharmacist.

Call your doctor for medical advice about side effects.

Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.

Information Wallet Card: Mefloquine Hydrochloride Tablets USP It is important that you read the entire Medication Guide for additional information on mefloquine. Carry this wallet card with you when you are taking mefloquine.	
 mportant: You need to take malaria prevention medicine before you travel to a malaria area, while you are in a malaria area, and after you return from a malaria area. Mefloquine can cause serious side effects, including: Heart problems. Do not take halofantrine (used to treat malaria) or ketoconazole (used for fungal infections) with mefloquine or within 15 weeks of your last dose of mefloquine. You may get serious heart problems hat can lead to death. Do not take quinine (Qualaquin) or quinidine (used to treat malaria or irregular heart beat) with mefloquine. You may get serious heart problems. Mefloquine may cause serious problems with the electrical system of your heart, called QT prolongation. Mental problems. Symptoms of serious mental problems may nclude severe anxiety, paranoia (feelings of mistrust towards others), hallucinations (seeing or hearing things that are not there), depression, feeling restless, unusual behavior or feeling confused. Some people who take mefloquine think about suicide (putting an and to their life). Some people who were taking mefloquine committed suicide. It is not known if mefloquine was responsible for hose suicides. f you have any of these serious mental problems you should conact your doctor right away as it may be necessary to stop taking mefloquine and use a different medicine to prevent malaria. Problems with your body's nervous system. Do not take quinine (Qualaquin) or chloroquine (Aralen) (used to treat malaria) with mefloquine. You may have a greater risk for convulsions seizures). Symptoms of serious nervous system problems may include dizziness, a feeling that you or things around you are moving or spinning (vertigo), loss of balance, ringing in your ears (tinnitus), zonvulsions (seizures) in people who already have seizures, or you 	are unable to sleep (insomnia). These serious mental and nervous system side effects can go on for months or years after mefloquine is stopped or may become permanent in some people. If you are told by a doctor to stop taking mefloquine because of the side effects or for other reasons, you will need to take a different malaria medicine. If you do not have access to a doctor or to a different medicine and have to stop taking mefloquine, leave the malaria area and contact a doctor as soon as possible because leaving the malari- area may not protect you from getting malaria. You will still need to take a malaria prevention medicine for another 4 weeks after you leave the malaria area. Mefloquine may cause serious liver problems . Symptoms of liver problems include nausea, vomiting, loss of appetite, unusua- tiredness, stomach pain, fever, weakness, itching, light-colorer bowel movements, dark colored urine, yellowing of your skin or the white of your eyes. The most common side effects of mefloquine include nausea, vomiting, diarrhea, abdominal pain and headacher Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects or mefloquine. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088. What should I avoid while taking mefloquine? Avoid activities such as driving a car or using heavy machinery or other activities needing alertness and careful movements (fine motor coordination until you know how mefloquine affects you. You may feel dizzy or lose your balance. This could happen for months or years after you stop taking mefloquine and can be permanent in some cases

You may report side effects to FDA at 1-800-FDA-1088.

- 30°C)
- Safely throw away medicine that is out of date or no longer needed.

Medicines are sometimes prescribed for purposes use mefloquine for a condition for which it was not prescribed. Do not give mefloquine to other people, even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most impor-**Mefloquine may cause serious side effects, includ**- tant information about mefloquine. If you would like more information, talk with your doctor. You can ask your pharmacist or doctor for information about mefloquine that is • • liver problems

Active ingredients: mefloquine hydrochloride USP Inactive ingredients: calcium-ammonium alginate, colloidal silicon dioxide, crospovidone, lactose (regular), magnesium stearate, microcrystalline cellulose, poloxamer 331, povidone, and starch.

This Medication Guide has been approved by the U.S. Food and Drug Administration.

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vour liver

Use protective clothing, insect repellents, and bednets to protect you from being bitten by mosquitoes. Medi- How should I store mefloquine? cine alone does not always stop you from catching • Store mefloquine between 59°F to 86°F (15°C to malaria from mosquito bites.

What should I avoid while taking mefloquine?

Avoid activities such as driving a car or using heavy Keep mefloguine and all medicines out of the reach machinery or other activities needing alertness and of children. careful movements (fine motor coordination) until you know how mefloquine affects you. You may feel dizzy General information about the safe and effective use or lose your balance. This could happen for months or of mefloquine. years after you stop taking mefloquine and can be permanent in some cases. See "What are the possible side effects of mefloquine?"

What are the possible side effects of mefloquine? See "What is the most important information I should know about mefloquine?"

Mefloquine may cause serious side effects, includ-

Call your healthcare provider right away if you have unexplained symptoms such as nausea or vomiting stomach pain, fever, weakness, itching, unusual tiredness, loss of appetite, light colored bowel movements, dark colored urine, yellowing of your skin or the white of your eyes.

The most common side effects of mefloquine include:

- nausea
- vomiting
- diarrhea abdominal pain
- headache

The most common side effects in people who take me- Roxane Laboratories, Inc. floquine for treatment include

- muscle pain
- Revised June 2013 | fever
 - chills skin rash
 - fatigue
 - loss of appetite
 - irregular heart beat

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of mefloquine. For more information, ask your doctor or pharmacist.

Call your doctor for medical advice about side effects.

Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.

Information Wallet Card: Mefloquities It is important that you read the entire Medication Carry this wallet card with you wh	Guide for additional i
You may get serious heart problems. Mefloquine may cause seri- ous problems with the electrical system of your heart, called QT prolongation. 2. Mental problems. Symptoms of serious mental problems may include severe anxiety, paranoia (feelings of mistrust towards oth- ers), hallucinations (seeing or hearing things that are not there), depression, feeling restless, unusual behavior or feeling confused. Some people who take mefloquine think about suicide (putting an end to their life). Some people who were taking mefloquine com- mitted suicide. It is not known if mefloquine was responsible for those suicides. If you have any of these serious mental problems you should con- tact your doctor right away as it may be necessary to stop taking mefloquine and use a different medicine to prevent malaria. 3. Problems with your body's nervous system. Do not take quinine (Qualaquin) or chloroquine (Aralen) (used to treat malaria) with mefloquine. You may have a greater risk for convulsions (seizures). Symptoms of serious nervous system problems may include	are unable to sleep (inso These serious mental go on for months or ye become permanent in if you are told by a doctor side effects or for other malaria medicine. If you do not have accord and have to stop taking contact a doctor as soord area may not protect you take a malaria prevention leave the malaria area. Mefloquine may cause liver problems include not tiredness, stomach pair bowel movements, dark white of your eyes. The to include nausea, vomiting Tell your doctor if you hard does not go away. These mefloquine. For more int Call your doctor for mere report side effects to FD What should I avoid w such as driving a car or needing alertness and ca until you know how meflord lose your balance. This you stop taking mefloquit

30°C)

longer needed.

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use mefloquine for a condition for which it was not prescribed. Do not give mefloquine to other people, even if they have the same symptoms that you have. It may

harm them. This Medication Guide summarizes the most important information about mefloquine. If you would like more information, talk with your doctor. You can ask your pharmacist or doctor for information about mefloquine that is written for health professionals.

What are the ingredients in mefloguine?

amer 331, povidone, and starch.

This Medication Guide has been approved by the U.S. Food and Drug Administration.

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You may report side effects to FDA at 1-800-FDA-1088.

Safely throw away medicine that is out of date or no

Active ingredients: mefloquine hydrochloride USP Inactive ingredients: calcium-ammonium alginate, colloidal silicon dioxide, crospovidone, lactose (regular), magnesium stearate, microcrystalline cellulose, polox-

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Boehringer Ingelheim Roxane Laboratories

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ablets USP information on mefloquine. efloquine.	
omnia). and nervous system side effects can aars after mefloquine is stopped or may some people.	
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as possible because leaving the malaria I from getting malaria. You will still need to on medicine for another 4 weeks after you

serious liver problems. Symptoms of ausea, vomiting, loss of appetite, unusual n, fever, weakness, itching, light-colored colored urine, yellowing of your skin or the most common side effects of mefloquine diarrhea, abdominal pain and headache. we any side effect that bothers you or that ese are not all the possible side effects of formation, ask your doctor or pharmacist edical advice about side effects. You may DA at 1-800-FDA-1088.

hile taking mefloquine? Avoid activities using heavy machinery or other activitie areful movements (fine motor coordinatio oquine affects you. You may feel dizzy or could happen for months or years after ne and can be permanent in some case

Card Revised: June 2013

TIONS)

Vaccines: When mefloquine is taken concurrently with oral live typhoid vaccines, attenuation of immunization cannot be excluded. Vaccinations with attenuated live bacteria chloride tablets.

Rifampin (Potent Inducer of CYP3A4): Co-administration of a single 500 mg oral dose f mefloquine and 600 mg of rifampin once daily for 7 days in 7 healthy Thai volunteers to 113 hours. Rifampin should be used cautiously in patients taking mefloquine.

Inhibitors and Inducers of CYP3A4: Mefloquine does not inhibit or induce the CYP 450 enzyme system. Thus, concomitant administration of mefloquine hydrochloride tablets and concentrations and potential risk of adverse reactions. Therefore, mefloquine hydrochloride tablets should be used with caution when administered concomitantly with CYP3A4 inhibitors. Similarly, inducers of CYP3A4 may modify the pharmacokinetics/metabolism of mefloquine, leading to a decrease in mefloquine plasma concentrations and potential chloride tablets should also be used with caution when administered concomitantly with CYP3A4 inducers.

Substrates and Inhibitors of P-glycoprotein: It has been shown in vitro that mefloguine is a substrate and an inhibitor of P-glycoprotein. Therefore, drug-drug interactions could ransporter. The clinical relevance of these interactions is not known to date

Other Potential Interactions: No other drug interactions are known. Nevertheless, the effects of mefloquine on travelers receiving concomitant medications, particularly diabet-

ics or patients using anticoagulants, should be checked before departure.

In clinical trials, the concomitant administration of sulfadoxine and pyrimethamine did not alter the adverse reaction profile of mefloquine.

Carcinogenesis, Mutagenesis, Impairment of Fertility

in 2-year feeding studies at doses of up to 30 mg/kg/day. No treatment-related increases in tumors of any type were noted.

Mutagenesis: The mutagenic potential of mefloquine was studied in a variety of asprior metabolic activation. In no instance was evidence obtained for the mutagenicity of months after discontinuation of the drug and may be permanent in some cases. mefloquine.

lesions were noted in the epididymides from male rats at doses of 20 and 50 mg/kg/day. Cases of suicidal ideation and suicide have been reported. Administration of 250 mg/week of mefloquine (base) in adult males for 22 weeks failed to reveal any deleterious effects on human spermatozoa.

Teratogenic Effects: Pregnancy Category B: Data from published studies in pregnant women have shown no increase in the risk of teratogenic effects or adverse pregnancy outcomes following mefloquine treatment or prophylaxis during pregnancy. Reproduction studies in mice, rats and rabbits have shown teratogenic effects at doses similar to the clinical acute treatment dose in humans. Because the studies in humans cannot rule out the possibility of harm, mefloquine should be used during pregnancy only if clearly

Published data on mefloquine use during pregnancy include randomized controlled trials, intervention trials, prospective and retrospective cohort studies, and case series, These data showed that pregnant women who took mefloguine at various doses for both chills, dyspepsia and loss of appetite. prevention and treatment of malaria did not have an increased risk of teratogenic effects or adverse pregnancy outcomes compared to the background rate in the general population. These data include more than 700 exposures to mefloquine in the first trimester of pregnancy and over 2 000 exposures in the second and third trimester

Mefloquine administered to pregnant mice, rats and rabbits was teratogenic at doses similar to the clinical acute treatment dose of 21 to 25 mg/kg, based on body surface area REACTIONS may be more pronounced. comparisons. In all three animal species, CNS effects (e.g., exencephaly, hydrocephaly or partially missing medulla oblongata) and craniofacial malformations were observed. At the were observed at doses that were maternally toxic.

Nursing Mothers

Mefloquine is excreted in human milk in small amounts, the activity of which is unknown. Based on a study in a few subjects, low concentrations (3% to 4%) of mefloquine were excreted in human milk following a dose equivalent to 250 mg of the free base. Caution should be exercised when administered to a nursing woman.

Pediatric Use

Use of mefloquine to treat acute, uncomplicated P. falciparum malaria in pediatric pain adults with additional data from published open-label and comparative trials using meloquine to treat malaria caused by P. falciparum in patients younger than 16 years of age. The safety and effectiveness of mefloquine for the treatment of malaria in pediatric patients below the age of 6 months have not been established.

In several studies, the administration of mefloquine for the treatment of malaria was be used for curative treatment (see INDICATIONS AND USAGE). associated with early vomiting in pediatric patients. Early vomiting was cited in some reports as a possible cause of treatment failure. If a second dose is not tolerated, the patient should be monitored closely and alternative malaria treatment considered if improvement is not observed within a reasonable period of time (see WARNINGS and DOSAGE AND ADMINISTRATION).

Geriatric Use

Clinical studies of mefloquine did not include sufficient numbers of subjects aged 65 once weekly. and over to determine whether they respond differently from younger subjects. Other reshould be weighed against the possibility of adverse cardiac effects in elderly patients.

ADVERSE REACTIONS

Clinica

attributable to drug administration cannot be distinguished from those symptoms usually Malaria Treatment in Pediatric Patients

Among subjects who received mefloquine for prophylaxis of malaria, the most frequentshould therefore be completed at least 3 days before the first dose of mefloquine hydro- ly observed adverse experience was vomiting (3%). Dizziness, syncope, extrasystoles and other complaints affecting less than 1% were also reported

Two serious adverse reactions were cardiopulmonary arrest in one patient shortly after ingesting a single prophylactic dose of mefloquine while concomitantly using propranolol resulted in a decrease in the mean C_{max} and AUC of mefloquine by 19% and 68%, re- (see PRECAUTIONS: Drug Interactions), and encephalopathy of unknown etiology duradministration could not be clearly established.

Among subjects who received mefloquine for treatment, the most frequently observed adverse experiences included: dizziness, myalgia, nausea, fever, headache, vomiting, substrates of the CYP 450 enzyme system is not expected to result in a drug interaction. chills, diarrhea, skin rash, abdominal pain, fatigue, loss of appetite, and tinnitus. Those used. Similarly, if previous prophylaxis with mefloquine has failed, mefloquine should not However, mefloquine is metabolized by CYP3A4 and inhibitors of CYP3A4 may modify the side effects occurring in less than 1% included bradycardia, hair loss, emotional problems, be used for curative treatment. pharmacokinetics/metabolism of mefloquine. leading to an increase in mefloquine plasma pruritus, asthenia, transient emotional disturbances and telogen effluvium (loss of resting hair). Seizures have also been reported.

reduction in efficacy of mefloquine hydrochloride tablets. Therefore, mefloquine hydronases, leukopenia and thrombocytopenia. These alterations were observed in patients with acute malaria who received treatment doses of the drug and were attributed to the disease itself

During prophylactic administration of mefloguine to indigenous populations in malariaalso occur with drugs that are substrates or are known to modify the expression of this endemic areas, the following alterations in laboratory values were observed: transient elevation of transaminases. leukocytosis or thrombocytopenia

Because of the long half-life of mefloguine, adverse reactions to mefloguine may occur

Postmarketing

Postmarketing surveillance indicates that the same kind of adverse reactions are reported during prophylaxis, as well as acute treatment. Because these adverse reactions are reported voluntarily from a population of uncertain size, it is not always possible to Carcinogenesis: The carcinogenic potential of mefloquine was studied in rats and mice reliably estimate their frequency or establish a causal relationship to mefloquine exposure

The most frequently reported adverse events are nausea, vomiting, loose stools or diarrhea, abdominal pain, dizziness or vertigo, loss of balance, and neuropsychiatric events such as headache, somnolence, and sleep disorders (insomnia, abnormal dreams). These say systems including: Ames test, a host-mediated assay in mice, fluctuation tests and adverse reactions may occur early in the course of mefloquine use. It has been reported that a mouse micronucleus assay. Several of these assays were performed with and without dizziness or vertigo, tinnitus and hearing impairment, and loss of balance may continue for

Impairment of Fertility: Fertility studies in rats at doses of 5, 20, and 50 mg/kg/day of motor neuropathies (including paresthesia, tremor and ataxia), convulsions, agitation or mefloguine have demonstrated adverse effects on fertility in the male at the high dose restlessness, anxiety, depression, mood swings, panic attacks, memory impairment, conof 50 mo/kg/day, and in the female at doses of 20 and 50 mg/kg/day. Histopathological fusion, hallucinations, aggression, psychotic or paranoid reactions and encephalopathy. Other less frequently reported adverse events include:

Cardiovascular Disorders: circulatory disturbances (hypotension, hypertension, flush

ing, syncope), chest pain, tachycardia or palpitation, bradycardia, irregular heart rate, extrasystoles. A-V block, and other transient cardiac conduction alterations

Skin Disorders: rash, exanthema, erythema, urticaria, pruritus, edema, hair loss, erythema multiforme, and Stevens-Johnson syndrome.

Musculoskeletal Disorders: muscle weakness, muscle cramps, myalgia, and arthralgia. Respiratory Disorders: dyspnea, pneumonitis of possible allergic etiology

Hepatobiliary Disorders: drug-related hepatic disorders from asymptomatic transient aminase elevations to hepatic failure

Blood and Lymphatic System Disorders: agranulocytosis, aplastic anemia Other Symptoms: visual disturbances, asthenia, malaise, fatigue, fever, hyperhidrosis,

Symptoms and Signs

In cases of overdosage with mefloquine, the symptoms mentioned under ADVERSE

OVERDOSAGE

Patients should be managed by symptomatic and supportive care following mefloquine Roxane Laboratories, Inc same doses, mefloquine was also embryotoxic in mice and rabbits. All of these findings overdose. There are no specific antidotes. Monitor cardiac function (if possible by ECG) Columbus, Ohio 43216 and neuropsychiatric status. Provide symptomatic and intensive supportive treatment as

DOSAGE AND ADMINISTRATION

Malaria Treatment in Adults

reatment of mild to moderate malaria in adults caused by mefloquine-susceptible strains of P. falciparum or by P. vivax: Dosage: Five tablets (1250 mg) mefloquine hytients is supported by evidence from adequate and well-controlled studies of mefloquine drochloride to be given as a single oral dose. The drug should not be taken on an empty

If a full-treatment course with mefloquine does not lead to improvement within 48 to 72 hours, mefloquine should not be used for retreatment. An alternative therapy should be used. Similarly, if previous prophylaxis with mefloquine has failed, mefloquine should not

Note: Patients with acute P. vivax malaria, treated with mefloquine, are at high risk of relapse because mefloquine does not eliminate exoerythrocytic (hepatic phase) parasites. To avoid relapse after initial treatment of the acute infection with mefloquine, patients should subsequently be treated with an 8-aminoquinoline derivative (e.g., primaquine)

Malaria Prophylaxis in Adults: Dosage: One 250 mg mefloquine hydrochloride tablet

Prophylactic drug administration should begin 1 week before arrival in an endemic area ported clinical experience has not identified differences in responses between the elderly Subsequent weekly doses should be taken regularly, always on the same day of each and younger patients. Since electrocardiographic abnormalities have been observed in week, preferably after the main meal. To reduce the risk of malaria after leaving an endemndividuals treated with mefloquine (see **PRECAUTIONS**) and underlying cardiac disease ic area, prophylaxis must be continued for 4 additional weeks to ensure suppressive blood is more prevalent in elderly than in younger patients, the benefits of mefloquine therapy levels of the drug when merozoites emerge from the liver. Tablets should not be taken on an empty stomach and should be administered with at least 8 oz (240 mL) of water.

In certain cases, e.g., when a traveler is taking other medication, it may be desirable to start prophylaxis 2 to 3 weeks prior to departure, in order to ensure that the combination of drugs is well tolerated (see PRECAUTIONS: Drug Interactions).

When prophylaxis with mefloquine fails, physicians should carefully evaluate which an-At the doses used for treatment of acute malaria infections, the symptoms possibly timalarial to use for therapy.

Experience with mefloquine in pediatric patients weighing less than 20 kg is limited. The drug should not be taken on an empty stomach and should be administered with ample water. The tablets may be crushed and suspended in a small amount of water, milk spectively, and a decrease in the mean elimination half-life of mefloquine from 305 hours ing prophylactic mefloquine administration. The relationship of encephalopathy to drug or other beverage for administration to small children and other persons unable to swallow

them whole

In pediatric patients, the administration of mefloquine for the treatment of malaria has been associated with early vomiting. In some cases, early vomiting has been cited as a possible cause of treatment failure (see PRECAUTIONS). If a significant loss of drug product is observed or suspected because of vomiting, a second full dose of mefloquine The most frequently observed laboratory alterations which could be possibly attribut- should be administered to patients who vomit less than 30 minutes after receiving the drug. If vomiting occurs 30 to 60 minutes after a dose, an additional half-dose should be given. If vomiting recurs, the patient should be monitored closely and alternative malaria reatment considered if improvement is not observed within a reasonable period of time. The safety and effectiveness of mefloquine to treat malaria in pediatric patients below

the age of 6 months have not been established.

in proportion to body weight: 30 to 45 kg; 3/4 tablet

20 to 30 kg: 1/2 tablet

Mefloquine Hydrochloride Tablets USP are supplied as speckled off-white to yellow round, flat faced, beveled edge tablets with "54 111" debossed on one side and scored on the other. Each tablet contains 250 mg of mefloquine hydrochloride USP

More severe neuropsychiatric disorders have been reported such as: sensory and 0054-0025-11 250 mg speckled off-white to yellow tablet, bottle of 25

permitted to 15° to 30°C (59° to 86°F).

Ocular lesions were observed in rats fed mefloquine daily for 2 years. All surviving rats given 30 mg/kg/day had ocular lesions in both eyes characterized by retinal degeneration, pacity of the lens, and retinal edema. Similar but less severe lesions were observed in 80% of female and 22% of male rats fed 12.5 mg/kg/day for 2 years. At doses of 5 mg/kg/ day, only corneal lesions were observed. They occurred in 9% of rats studied.

Male Wistar rats orally administered-mefloquine daily for 22 days at the equivalent human therapeutic plasma concentration showed CNS penetration of mefloquine, with a 30 to 50 fold greater brain/plasma drug ratio up to 10 days after the final dose administered :

REFERENCES

Baudry S Pham YT Baune B Vidrequin S Crevoisier CH Gimenez F Fainotti R. (1997). Stereoselective passage of mefloguine through the blood brain barrier in the rat. J. Pharm. Pharmacol. 49: 1086-1090.

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reatment of mild to moderate malaria in pediatric patients caused by mefloquine-sus ceptible strains of P. falciparum: Dosage: 20 to 25 mg/kg body weight. Splitting the total therapeutic dose into 2 doses taken 6 to 8 hours apart may reduce the occurrence or severity of adverse effects. The pediatric dose should not exceed the adult dose.

If a full-treatment course with mefloquine does not lead to improvement within 48 to 72 hours, mefloquine should not be used for retreatment. An alternative therapy should be

Malaria Prophylaxis in Pediatric Patients: The recommended prophylactic dose of me-

floquine hydrochloride is approximately 5 mg/kg body weight once weekly. One 250 mg mefloquine hydrochloride tablet should be taken once weekly in pediatric patients weighing over 45 kg. In pediatric patients weighing less than 45 kg, the weekly dose decreases

Experience with mefloquine in pediatric patients weighing less than 20 kg is limited

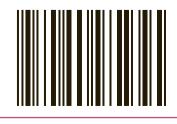
HOW SUPPLIED

Mefloquine Hydrochloride Tablets USP should be stored at 25°C (77°F); excursions

ANIMAL TOXICOLOGY

Revised June 2013 © RLI. 2013

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MEDICATION GUIDE

MEFLOQUINE HYDROCHLORIDE Tablets USP

R only

Important: Your doctor or pharmacist will give you an Information Wallet Card along with this Medication Guide. It has important information about mefloquine and should be carried with you at all times while you take mefloquine.

What is the most important information I should know about mefloguine?

Mefloquine can cause serious side effects, including: 1. Heart Problems.

Do not take halofantrine (used to treat malaria) or ketoconazole (used for fungal infections) with mefloquine or within 15 weeks of your last dose of mefloquine. You may get serious heart problems (problems with the electrical system of your heart called QT prolon- 44 lbs (20 kilograms). gation) that can lead to death. Do not take guinine (Qualaguin) or quinidine (used to treat malaria or irregular heart beat) with meflo- Who should not take mefloquine? guine. You may get serious heart problems.

2. Mental problems. Symptoms of serious mental problems may include: severe anxiety

- paranoia (feelings of mistrust towards others)
- hallucinations (seeing or hearing things that are not there)
- depression
- feeling restless
- unusual behavio
- feeling confused

Some people who take mefloquine think about suicide (putting an end to their life). Some people who were taking mefloquine commit- What should I tell my doctor before taking mefloquine? ted suicide. It is not known if mefloquine was responsible for those suicides

If you have any of these serious mental problems, or you develop • heart disease other serious side effects or mental problems, you should contact . liver problems your doctor right away as it may be necessary to stop taking meflo- • seizures or epilepsy quine and use a different medicine to prevent malaria.

3. Problems with your body's nervous system.

- Symptoms of serious nervous system problems may include: dizziness
- a feeling that you or things around you are moving or spinning are pregnant or plan to become pregnant. It is not known if me-(vertigo)
- loss of balance
- ringing sound in your ears (tinnitus)
- convulsions (seizures) in people who already have seizures (epilepsv)
- convulsions (seizures) in people who take guinine or chloroguine (used to treat malaria) with mefloquine. Do not take quinine (Qualaquin) or chloroquine (Aralen) with mefloquine.

unable to sleep (insomnia)

Dizziness, vertigo, tinnitus, and loss of balance can go on for months or years after mefloquine is stopped or may become permanent in some people.

Important: You need to take malaria prevention medicine before you travel to a malaria area, while you are in a malaria area, and after you return from a malaria area.

- If you are told by a doctor to stop taking mefloguine because of the side effects or for other reasons, you will need to take different malaria medicine
- If you do not have access to a doctor or to another medicine and have to stop taking mefloquine, leave the malaria area and contact a doctor as soon as possible because leaving the malaria area may not protect you from getting malaria. You will still need to take a malaria prevention medicine for another 4 weeks after you leave the malaria area.

What is mefloquine?

Mefloquine is a prescription medicine used to prevent and treat malaria. Malaria can be a life-threatening infection. Mefloquine does not work for all types of malaria.

It is not known if mefloquine is safe and effective in children under 6 months old for the treatment of malaria. It is not known how well mefloquine works to prevent malaria in children weighing less than

- Do not take mefloquine if you have:
- depression or had depression recently
- had recent mental problems, including anxiety disorder, schizophrenia, or psychosis (losing touch with reality)
- seizures or had seizures (epilepsy or convulsions)
- an allergy to quinine, quinidine, mefloquine or any ingredients in mefloquine. See the end of this Medication Guide for a complete list of ingredients in mefloquine.

Talk to your doctor before you take mefloquine if you have any of the medical conditions listed above.

Before taking mefloquine, tell your doctor about all your med-

- ical conditions, including if you have:

- diabetes
- · blood clotting problems or take blood thinner medicines (anticoagulants)
- mental problems
- floquine will harm your unborn baby. Talk to you doctor if you are pregnant or plan to become pregnant
- You should use birth control while you take mefloquine and for 3 months after you stop mefloquine. If you have an unplanned pregnancy, talk to your doctor right away.
- are breast-feeding or plan to breast-feed. Mefloquine can pass into your breast milk and may harm your baby. Ask your doctor whether you will need to stop breastfeeding or use a different medicine.

Contact your doctor right away if you have a fever after leaving a malaria area.

Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements. Mefloquine and other medicines may affect each other causing side effects.

lepsv)

dizziness

(vertigo)

Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.	
Information Wallet Card: Mefloquine Hydrochloride Tablets USP	
It is important that you read the entire Medication Guide for additional information on mefloquine.	
Carry this wallet card with you when you are taking mefloquine.	
Important: You need to take malaria prevention medicine before you travel to a malaria area, while you are in a malaria area, and after you return from a malaria area. Mefloquine can cause serious side effects, including: 1. Heart problems. Do not take halofantrine (used to treat malaria) or ketoconazole (used for fungal infections) with mefloquine or within 15 weeks of your last dose of mefloquine. You may get serious heart problems that can lead to death. Do not take quinine (Qualaquin) or quini- dine (used to treat malaria or irregular heart beat) with mefloquine. You may get serious heart problems. Mefloquine may cause serious problems with the electrical system of your heart, called QT prolongation. 2. Mental problems. Symptoms of serious mental problems may	 depression, feeling restless, unusual behavior or feeling confused. Some people who take mefloquine think about suicide (putting an end to their life). Some people who were taking mefloquine committed suicide. It is not known if mefloquine was responsible for those suicides. If you have any of these serious mental problems you should contact your doctor right away as it may be necessary to stop taking mefloquine and use a different medicine to prevent malaria. 3. Problems with your body's nervous system. Do not take quinine (Qualaquin) or chloroquine (Aralen) (used to treat malaria) with mefloquine. You may have a greater risk for convulsions (seizures). Symptoms of serious nervous system problems may include dizziness, a feeling that you or things around you are moving or
include severe anxiety, paranoia (feelings of mistrust towards oth-	spinning (vertigo), loss of balance, ringing in your ears (tinnitus)
ers), hallucinations (seeing or hearing things that are not there),	convulsions (seizures) in people who already have seizures, or you



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MEDICATION GUIDE

MEFLOQUINE HYDROCHLORIDE **Tablets USP**

R only

Important: Your doctor or pharmacist will give you an Information Wallet Card along with this Medication Guide. It has important information about mefloquine and should be carried with you at all times while you take mefloquine.

What is the most important information I should know about mefloguine?

Mefloquine can cause serious side effects, including: 1. Heart Problems.

Do not take halofantrine (used to treat malaria) or ketoconazole (problems with the electrical system of your heart called QT prolon- 44 lbs (20 kilograms). gation) that can lead to death. Do not take guinine (Qualaguin) or quinidine (used to treat malaria or irregular heart beat) with meflo- Who should not take mefloquine? quine. You may get serious heart problems.

2. Mental problems.

Symptoms of serious mental problems may include:

- severe anxiety
- paranoia (feelings of mistrust towards others)
- hallucinations (seeing or hearing things that are not there)
- feeling restless

depression

suicides

- unusual behavior
- feeling confused
- Some people who take mefloquine think about suicide (putting an end to their life). Some people who were taking mefloquine commit- What should I tell my doctor before taking mefloquine? ted suicide. It is not known if mefloquine was responsible for those

If you have any of these serious mental problems, or you develop • heart disease other serious side effects or mental problems, you should contact . liver problems your doctor right away as it may be necessary to stop taking meflo- • seizures or epilepsy guine and use a different medicine to prevent malaria.

3. Problems with your body's nervous system.

Symptoms of serious nervous system problems may include:

- loss of balance
- ringing sound in your ears (tinnitus) · convulsions (seizures) in people who already have seizures (epi-

• convulsions (seizures) in people who take guinine or chloroguine (used to treat malaria) with mefloquine. Do not take quinine (Qualaquin) or chloroquine (Aralen) with mefloquine.

unable to sleep (insomnia)

Dizziness, vertigo, tinnitus, and loss of balance can go on for months or years after mefloquine is stopped or may become permanent in some people.

Important: You need to take malaria prevention medicine before you travel to a malaria area, while you are in a malaria area, and after you return from a malaria area.

- If you are told by a doctor to stop taking mefloquine because of the side effects or for other reasons, you will need to take different malaria medicine
- If you do not have access to a doctor or to another medicine and have to stop taking mefloquine, leave the malaria area and contact a doctor as soon as possible because leaving the malaria area may not protect you from getting malaria. You will still need to take a malaria prevention medicine for another 4 weeks after you leave the malaria area.

What is mefloquine?

Mefloquine is a prescription medicine used to prevent and treat malaria. Malaria can be a life-threatening infection. Mefloquine does not work for all types of malaria.

It is not known if mefloquine is safe and effective in children under (used for fungal infections) with mefloquine or within 15 weeks of 6 months old for the treatment of malaria. It is not known how well your last dose of mefloquine. You may get serious heart problems mefloquine works to prevent malaria in children weighing less than

- Do not take mefloquine if you have:
- depression or had depression recently
- had recent mental problems, including anxiety disorder, schizophrenia, or psychosis (losing touch with reality)
- seizures or had seizures (epilepsy or convulsions)
- an allergy to guinine, guinidine, mefloguine or any ingredients in mefloquine. See the end of this Medication Guide for a complete list of ingredients in mefloquine.

Talk to your doctor before you take mefloquine if you have any of the medical conditions listed above.

Before taking mefloquine, tell your doctor about all your medical conditions, including if you have:

- diabetes
- · blood clotting problems or take blood thinner medicines (anticoadulants)
- mental problems
- a feeling that you or things around you are moving or spinning are pregnant or plan to become pregnant. It is not known if mefloquine will harm your unborn baby. Talk to you doctor if you are pregnant or plan to become pregnant.
 - You should use birth control while you take mefloquine and for 3 months after you stop mefloquine. If you have an unplanned pregnancy, talk to your doctor right away.
 - are breast-feeding or plan to breast-feed. Mefloquine can pass into your breast milk and may harm your baby. Ask your doctor whether you will need to stop breastfeeding or use a different medicine. Contact your doctor right away if you have a fever after leaving a malaria area.

Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements. Mefloguine and other medicines may affect each other causing side effects.

Information Wallet Card to carry when you are taking Mefloguine Hydrochloride Tablets USP

Information Wallet Card: Mefloquine Hydrochloride Tablets USP It is important that you read the entire Medication Guide for additional information on mefloquine. Carry this wallet card with you when you are taking mefloquine.	
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MEDICATION GUIDE

MEFLOQUINE HYDROCHLORIDE Tablets USP

R_v only

Important: Your doctor or pharmacist will give you an Information Wallet Card along with this Medication Guide. It has important information about mefloquine and should be carried with you at all times while you take mefloquine.

What is the most important information I should know about mefloguine?

Mefloquine can cause serious side effects, including: 1. Heart Problems.

Do not take halofantrine (used to treat malaria) or ketoconazole (used for fungal infections) with mefloquine or within 15 weeks of your last dose of mefloquine. You may get serious heart problems (problems with the electrical system of your heart called QT prolon- 44 lbs (20 kilograms). gation) that can lead to death. Do not take guinine (Qualaguin) or guinidine (used to treat malaria or irregular heart beat) with mefloquine. You may get serious heart problems.

2. Mental problems.

Symptoms of serious mental problems may include:

- severe anxiety
- paranoia (feelings of mistrust towards others)
- hallucinations (seeing or hearing things that are not there)
- depression
- feeling restless
- unusual behavior
- feeling confused

Some people who take mefloquine think about suicide (putting an end to their life). Some people who were taking mefloquine commit- What should I tell my doctor before taking mefloquine? ted suicide. It is not known if mefloquine was responsible for those suicides

If you have any of these serious mental problems, or you develop • heart disease other serious side effects or mental problems, you should contact vour doctor right away as it may be necessary to stop taking meflo- • seizures or epilepsy guine and use a different medicine to prevent malaria.

3. Problems with your body's nervous system.

- Symptoms of serious nervous system problems may include:
- dizziness
- a feeling that you or things around you are moving or spinning • are pregnant or plan to become pregnant. It is not known if me-(vertiao) floquine will harm your unborn baby. Talk to you doctor if you are loss of balance pregnant or plan to become pregnant.
- ringing sound in your ears (tinnitus)
- · convulsions (seizures) in people who already have seizures (epilepsy
- convulsions (seizures) in people who take guinine or chloroguine are breast-feeding or plan to breast-feed. Mefloquine can pass into (used to treat malaria) with mefloquine. Do not take quinine your breast milk and may harm your baby. Ask your doctor wheth-(Qualaquin) or chloroquine (Aralen) with mefloquine. er you will need to stop breastfeeding or use a different medicine. unable to sleep (insomnia) Contact your doctor right away if you have a fever after leaving Dizziness, vertigo, tinnitus, and loss of balance can go on for a malaria area.

months or years after mefloquine is stopped or may become permanent in some people.

Q Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.

Information Wallet Card: Mefloo	uin
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Carry this wallet card with you	whe
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serious problems with the electrical system of your heart,	(5
called QT prolongation.	S
2. Mental problems. Symptoms of serious mental problems may	d
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ers), hallucinations (seeing or hearing things that are not there),	C

Important: You need to take malaria prevention medicine before you travel to a malaria area, while you are in a malaria area, and after you return from a malaria area.

- If you are told by a doctor to stop taking mefloquine because of the side effects or for other reasons, you will need to take different malaria medicine
- If you do not have access to a doctor or to another medicine and have to stop taking mefloquine, leave the malaria area and contact a doctor as soon as possible because leaving the malaria area may not protect you from getting malaria. You will still need to take a malaria prevention medicine for another 4 weeks after you leave the malaria area.

What is mefloquine?

Mefloquine is a prescription medicine used to prevent and treat malaria. Malaria can be a life-threatening infection. Mefloquine does not work for all types of malaria.

It is not known if mefloguine is safe and effective in children under 6 months old for the treatment of malaria. It is not known how well mefloquine works to prevent malaria in children weighing less than

Who should not take mefloquine?

- Do not take mefloquine if you have:
- depression or had depression recently
- had recent mental problems, including anxiety disorder, schizophrenia, or psychosis (losing touch with reality)
- seizures or had seizures (epilepsy or convulsions)
- an allergy to quinine, quinidine, mefloquine or any ingredients in mefloquine. See the end of this Medication Guide for a complete list of inaredients in mefloquine.
- Talk to your doctor before you take mefloquine if you have any of the medical conditions listed above.

Before taking mefloquine, tell your doctor about all your medical conditions, including if you have:

- liver problems
- diabetes
- · blood clotting problems or take blood thinner medicines (anticoagulants)
- mental problem
- You should use birth control while you take mefloquine and for 3 months after you stop mefloquine. If you have an unplanned pregnancy, talk to your doctor right away.
- Tell your doctor about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements. Mefloquine and other medicines may affect each other causing side effects.

e Hydrochloride Tablets USP uide for additional information on mefloquine. n you are taking mefloquine.
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How should I take mefloquine?

- Take mefloquine exactly as your doctor tells you to take it. Your muscle pain doctor will tell you how many mefloquine tablets to take and when • fever to take them.
- You will start taking mefloquine to prevent malaria between 1 to 3 skin rash weeks before you travel to a malaria area.
- Take mefloquine just after eating your largest meal of the day and
 I loss of appetite with at least one cup (8 ounces) of water.
- Do not take mefloquine on an empty stomach.
- If you vomit after taking mefloquine, contact your doctor to see if you should take another dose.
- Continue taking mefloquine for 4 weeks after returning from a malaria area.
- · Mefloquine tablets may be crushed and mixed with a small amount of water, milk or other beverage for children or other people unable How should I store mefloquine? to swallow mefloquine whole. Your doctor will tell you the correct • Store mefloquine between 59°F to 86°F (15°C to 30°C) dose for your child based on your child's weight.
- If you take mefloquine for a year or longer, your doctor should check vour
- eyes (especially if you have trouble seeing while you take mefloauine)
- liver function to see if there has been damage to your liver
- Use protective clothing, insect repellents, and bednets to protect ways stop you from catching malaria from mosquito bites.

What should I avoid while taking mefloguine?

Avoid activities such as driving a car or using heavy machinery may feel dizzy or lose your balance. This could happen for months about mefloquine that is written for health professionals. or years after you stop taking mefloquine and can be permanent in some cases. See "What are the possible side effects of meflo- What are the ingredients in mefloquine? quine?"

What are the possible side effects of mefloquine?

See "What is the most important information I should know about mefloquine?

Mefloquine may cause serious side effects, including: liver problems

Call your healthcare provider right away if you have unexplained symptoms such as nausea or vomiting, stomach pain, fever, weak- Roxane Laboratories, Inc. ness, itching, unusual tiredness, loss of appetite, light colored bowel Columbus, Ohio 43216 movements, dark colored urine, yellowing of your skin or the white of your eyes.

are unable to sleep (inso

nalaria medicine.

leave the malaria area.

become permanent in some people.

ness, stomach pain, fever, weakness, itching, light-colored bowel

The most common side effects of mefloquine include:

- nausea
- vomiting
- diarrhea
- abdominal pain
- headache

The most common side effects in people who take mefloquine for treatment include

- chills
- fatigue
- irregular heart beat

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of mefloquine. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

- · Safely throw away medicine that is out of date or no longer need-

Keep mefloquine and all medicines out of the reach of children.

General information about the safe and effective use of mefloauine

Medicines are sometimes prescribed for purposes other than you from being bitten by mosquitoes. Medicine alone does not al- those listed in a Medication Guide. Do not use mefloquine for a condition for which it was not prescribed. Do not give mefloquine to other people, even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important informaor other activities needing alertness and careful movements (fine tion about mefloquine. If you would like more information, talk with motor coordination) until you know how mefloquine affects you. You your doctor. You can ask your pharmacist or doctor for information

Active ingredients: mefloquine hydrochloride USP

Inactive ingredients: calcium-ammonium alginate, colloidal silicon dioxide, crospovidone, lactose (regular), magnesium stearate, microcrystalline cellulose, poloxamer 331, povidone, and starch.

This Medication Guide has been approved by the U.S. Food and Drug Administration

Boehringer Ingelheim

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Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.

Revised June 2013 © RLI. 2013

- vomiting
- diarrhea
- abdominal pain
- headache

Information Wallet Card: Mefloquine Hydrochloride Tablets USP It is important that you read the entire Medication Guide for additional information on mefloquine. Carry this wallet card with you when you are taking mefloquine. ovements, dark colored urine, yellowing of your skin or the wh These serious mental and nervous system side effects can of your eyes. The most common side effects of mefloauine go on for months or years after mefloquine is stopped or may include nausea, vomiting, diarrhea, abdominal pain and headache.

Card Revised: June 2013

Tell your doctor if you have any side effect that bothers you or that If you are told by a doctor to stop taking mefloquine because of the does not go away. These are not all the possible side effects of side effects or for other reasons, you will need to take a different mefloquine. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may If you do not have access to a doctor or to a different medicine report side effects to FDA at 1-800-FDA-1088.

and have to stop taking mefloquine, leave the malaria area and What should I avoid while taking mefloquine? Avoid activities contact a doctor as soon as possible because leaving the malaria such as driving a car or using heavy machinery or other activities area may not protect you from getting malaria. You will still need to needing alertness and careful movements (fine motor coordinatake a malaria prevention medicine for another 4 weeks after you tion) until you know how mefloquine affects you. You may feel dizzy or lose your balance. This could happen for months or years Mefloquine may cause serious liver problems. Symptoms of liver after you stop taking mefloquine and can be permanent in some problems include nausea, vomiting, loss of appetite, unusual tired-cases.

eference ID: 3347812

dose for your child based on your child's weight.

- auine)
- liver function to see if there has been damage to your Use protective clothing, insect repellents, and bednets
- you from being bitten by mosquitoes. Medicine alone do ways stop you from catching malaria from mosquito bite

What should I avoid while taking mefloguine?

What are the possible side effects of mefloquine? about mefloquine?

Mefloquine may cause serious side effects, including: liver problems

Call your healthcare provider right away if you have unexplained symptoms such as nausea or vomiting, stomach pain, fever, weak- Roxane Laboratories, Inc. ness, itching, unusual tiredness, loss of appetite, light colored bowel Columbus, Ohio 43216 movements, dark colored urine, yellowing of your skin or the white of your eyes.

The most common side effects of mefloquine include:

- nausea

 	It is important th
	are unable to sleep (insomni These serious mental and go on for months or years become permanent in som
	If you are told by a doctor to a side effects or for other reas malaria medicine.
 	If you do not have access t and have to stop taking me contact a doctor as soon as area may not protect you fror
	take a malaria prevention me leave the malaria area. Mefloquine may cause serior
1	problems include nausea, vo

/	Roxane Laboratories

 How should I take mefloquine? Take mefloquine exactly as your doctor tells you to take it. Your doctor will tell you how many mefloquine tablets to take and when to take them. You will start taking mefloquine to prevent malaria between 1 to 3 weeks before you travel to a malaria area. Take mefloquine just after eating your largest meal of the day and with at least one cup (8 ounces) of water. Do not take mefloquine on an empty stomach. If you vomit after taking mefloquine, contact your doctor to see if you should take another dose. Continue taking mefloquine for 4 weeks after returning from a malaria area. Mefloquine tablets may be crushed and mixed with a small amount of water, milk or other beverage for children or other people unable to swallow mefloquine whole. Your doctor will tell you the correct dose for your child based on your child's weight. 	The most common side effects in people who take mefloquine for treatment include: • muscle pain • fever • chills • skin rash • fatigue • loss of appetite • irregular heart beat Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of me- floquine. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may re- port side effects to FDA at 1-800-FDA-1088. How should I store mefloquine? • Store mefloquine between 59°F to 86°F (15°C to 30°C) • Safely throw away medicine that is out of date or no longer need-
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 Use protective clothing, insect repellents, and bednets to protect you from being bitten by mosquitoes. Medicine alone does not al- ways stop you from catching malaria from mosquito bites. 	Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use mefloquine for a condition for which it was not prescribed. Do not give mefloquine to other people, even if they have the same symptoms that you have.
What should I avoid while taking mefloquine?	It may harm them.
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some cases. See "What are the possible side effects of meflo- quine?"	What are the ingredients in mefloquine? Active ingredients: mefloquine hydrochloride USP Inactive ingredients: calcium-ammonium alginate, colloidal silicon
What are the possible side effects of mefloquine?	dioxide, crospovidone, lactose (regular), magnesium stearate, mi- crocrystalline cellulose, poloxamer 331, povidone, and starch

See "What is the most important information I should know crocrystalline cellulose, poloxamer 331, povidone, and starch.

This Medication Guide has been approved by the U.S. Food and Drug Administration.

Boehringer Ingelheim Roxane Laboratories

10002082/10

How should I take mefloquine?

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- liver function to see if there has been damage to your liver
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What should I avoid while taking mefloguine?

Avoid activities such as driving a car or using heavy machinery may feel dizzy or lose your balance. This could happen for months about mefloquine that is written for health professionals. or years after you stop taking mefloquine and can be permanent in some cases. See "What are the possible side effects of meflo- What are the ingredients in mefloquine? quine?"

What are the possible side effects of mefloquine?

about mefloquine?'

Mefloquine may cause serious side effects, including: liver problems

Call your healthcare provider right away if you have unexplained symptoms such as nausea or vomiting, stomach pain, fever, weak- Roxane Laboratories, Inc. ness, itching, unusual tiredness, loss of appetite, light colored bowel Columbus, Ohio 43216 movements, dark colored urine, yellowing of your skin or the white of your eyes.

The most common side effects of mefloquine include:

- nausea
- vomiting
- diarrhea
- abdominal pain
- headache

treatment include

- chills
- fatigue
- irregular heart beat

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General information about the safe and effective use of mefloauine

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Active ingredients: mefloquine hydrochloride USP Inactive ingredients: calcium-ammonium alginate, colloidal silicon dioxide, crospovidone, lactose (regular), magnesium stearate, mi-See "What is the most important information I should know crocrystalline cellulose, poloxamer 331, povidone, and starch.

Drug Administration.

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Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.

Information Wallet Card: Mefloquine Hydrochloride Tablets USP nat you read the entire Medication Guide for additional information on mefloquine. Carry this wallet card with you when you are taking mefloquine.

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miting, loss of appetite, unusual tired- cases. ness, stomach pain, fever, weakness, itching, light-colored bowel

novements, dark colored urine, yellowing of your skin or the whi nervous system side effects can of your eves. The most common side effects of mefloauin after mefloquine is stopped or may include nausea, vomiting, diarrhea, abdominal pain and headache Tell your doctor if you have any side effect that bothers you or that stop taking mefloquine because of the does not go away. These are not all the possible side effects of mefloquine. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may

to a doctor or to a different medicine report side effects to FDA at 1-800-FDA-1088. floquine, leave the malaria area and What should I avoid while taking mefloquine? Avoid activitie s possible because leaving the malaria such as driving a car or using heavy machinery or other activities n getting malaria. You will still need to needing alertness and careful movements (fine motor coordinaedicine for another 4 weeks after you tion) until you know how mefloquine affects you. You may feel dizzy or lose your balance. This could happen for months or years us liver problems. Symptoms of liver after you stop taking mefloquine and can be permanent in some

Card Revised: June 201

Information Wallet Card to carry when you are taking Mefloquine Hydrochloride Tablets USP.

Information Wallet Card: Mefloquine Hydrochloride Tablets USP	
It is important that you read the entire Medication Guide for additional information on mefloquine.	
Carry this wallet card with you when you are taking mefloquine.	
are unable to sleep (insomnia).	movements, dark colored urine, yellowing of your skin or the white
These serious mental and nervous system side effects can	of your eyes. The most common side effects of mefloquine
go on for months or years after mefloquine is stopped or may	include nausea, vomiting, diarrhea, abdominal pain and headache.
become permanent in some people.	Tell your doctor if you have any side effect that bothers you or that
If you are told by a doctor to stop taking mefloquine because of the	does not go away. These are not all the possible side effects of
side effects or for other reasons, you will need to take a different	mefloquine. For more information, ask your doctor or pharmacist.
malaria medicine.	Call your doctor for medical advice about side effects. You may
If you do not have access to a doctor or to a different medicine	report side effects to FDA at 1-800-FDA-1088.
and have to stop taking mefloquine, leave the malaria area and	What should I avoid while taking mefloquine? Avoid activities
contact a doctor as soon as possible because leaving the malaria	such as driving a car or using heavy machinery or other activities
area may not protect you from getting malaria. You will still need to	needing alertness and careful movements (fine motor coordina-
take a malaria prevention medicine for another 4 weeks after you	tion) until you know how mefloquine affects you. You may feel
leave the malaria area.	dizzy or lose your balance. This could happen for months or years
Mefloquine may cause serious liver problems . Symptoms of liver	after you stop taking mefloquine and can be permanent in some
problems include nausea, vomiting, loss of appetite, unusual tired- ness, stomach pain, fever, weakness, itching, light-colored bowel	cases. Card Revised: June 2013
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The most common side effects in people who take mefloquine for

Safely throw away medicine that is out of date or no longer need-

Keep mefloguine and all medicines out of the reach of children.

This Medication Guide has been approved by the U.S. Food and

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