

**HIGHLIGHTS OF PRESCRIBING INFORMATION**  
These highlights do not include all the information needed to use MITIGARE® safely and effectively. See full prescribing information for MITIGARE®.

**Rx Only**

**MITIGARE® (colchicine) capsules, for oral use**  
**Initial U.S. Approval: 1961**

#### INDICATIONS AND USAGE

- MITIGARE® is indicated for prophylaxis of gout flares in adults (1).

Limitations of use:

The safety and effectiveness of MITIGARE® for acute treatment of gout flares during prophylaxis has not been studied.

MITIGARE® is not an analgesic medication and should not be used to treat pain from other causes.

#### DOSAGE AND ADMINISTRATION

0.6 mg (one capsule) once or twice daily (2). Maximum dose 1.2 mg/day.

MITIGARE® is administered orally, without regard to meals (2).

#### DOSAGE FORMS AND STRENGTHS

- 0.6 mg Capsules (3).

#### CONTRAINDICATIONS

- Patients with renal or hepatic impairment should not be given MITIGARE® in conjunction with drugs that inhibit both P-gp and CYP3A4 (4).

- Patients with both renal and hepatic impairment should not be given MITIGARE® (4).

#### WARNINGS AND PRECAUTIONS

- Fatal overdoses* have been reported with colchicine in adults and children. Keep MITIGARE® out of the reach of children (5.1, 10).
- Blood dyscrasias*: myelosuppression, leukopenia, granulocytopenia, thrombocytopenia, and aplastic anemia have been reported (5.2).

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#### FULL PRESCRIBING INFORMATION

##### 1 INDICATIONS AND USAGE

MITIGARE® (colchicine) capsules are indicated for prophylaxis of gout flares in adults.

Limitations of use: The safety and effectiveness of MITIGARE® for acute treatment of gout flares during prophylaxis has not been studied.

MITIGARE® is not an analgesic medication and should not be used to treat pain from other causes.

##### 2 DOSAGE AND ADMINISTRATION

###### 2.1 Gout Prophylaxis

For prophylaxis of gout flares, the recommended dosage of MITIGARE® is 0.6 mg once or twice daily. The maximum dose is 1.2 mg per day.

MITIGARE® is administered orally, without regard to meals.

##### 3 DOSAGE FORMS AND STRENGTHS

0.6 mg capsules - No. 4 Dark Blue/Light Blue Hard Gelatin Capsules printed “West-ward 118” in white ink.

##### 4 CONTRAINDICATIONS

Patients with renal or hepatic impairment should not be given MITIGARE® with drugs that inhibit both P-glycoprotein and CYP3A4 inhibitors [see *Drug Interactions* (7)]. Combining these dual inhibitors with colchicine in patients with renal or hepatic impairment has resulted in life-threatening or fatal colchicine toxicity.

Patients with both renal and hepatic impairment should not be given MITIGARE®.

##### 5 WARNINGS AND PRECAUTIONS

###### 5.1 Fatal Overdose

Fatal overdoses, both accidental and intentional, have been reported in adults and children who have ingested colchicine [see *Overdose* (10)]. MITIGARE® should be kept out of the reach of children.

###### 5.2 Blood Dyscrasias

Myelosuppression, leukopenia, granulocytopenia, thrombocytopenia, pancytopenia, and aplastic anemia have been reported with colchicine used in therapeutic doses.

###### 5.3 Interactions with CYP3A4 and P-gp Inhibitors

Because colchicine is a substrate for both the CYP3A4 metabolizing enzyme and the P-glycoprotein efflux transporter, inhibition of either of these pathways may lead to colchicine-related toxicity. Inhibition of both CYP3A4 and P-gp by dual inhibitors such as clarithromycin has been reported to produce life-threatening or fatal colchicine toxicity due to significant increases in systemic colchicine levels. Therefore, concomitant use of MITIGARE® and inhibitors of CYP3A4 or P-glycoprotein should be avoided [see *Drug Interactions* (7)]. If avoidance is not possible, reduced daily dose should be considered and the patient should be monitored closely for colchicine toxicity. Use of MITIGARE® in conjunction with drugs that inhibit both P-gp and CYP3A4 is contraindicated in patients with renal or hepatic impairment [see *Contraindications* (4)].

###### 5.4 Neuromuscular Toxicity

Neuromuscular toxicity and rhabdomyolysis have been reported from chronic treatment with colchicine in therapeutic doses, especially in combination with other drugs known to cause this effect. Patients with impaired renal function and elderly patients (even those with normal renal and hepatic function) are at increased risk. Once colchicine treatment is ceased, the symptoms generally resolve within 1 week to several months.

##### 6 ADVERSE REACTIONS

Gastrointestinal disorders are the most common adverse reactions with colchicine. They are often the first signs of toxicity and may indicate that the colchicine dose needs to be reduced or therapy stopped. These include diarrhea, nausea, vomiting, and abdominal pain.

Colchicine has been reported to cause neuromuscular toxicity, which may present as muscle pain or weakness [see *Warnings and Precautions* (5.4)].

Toxic manifestations associated with colchicine include myelosuppression, disseminated intravascular coagulation, and injury to cells in the renal, hepatic, circulatory, and central nervous system. These most often occur with excessive accumulation or overdose [see *Overdose* (10)].

The following reactions have been reported with colchicine. These have been generally reversible by interrupting treatment or low-

- Monitor for toxicity and if present consider temporary interruption or discontinuation of colchicine (5.2, 5.3, 5.4, 6, 10).
- Drug interaction with dual P-gp and CYP3A4 inhibitors*: Co-administration of colchicine with dual P-gp and CYP3A4 inhibitors has resulted in life-threatening interactions and death (5.3, 7).
- Neuromuscular toxicity*: Myotoxicity including rhabdomyolysis may occur, especially in combination with other drugs known to cause this effect. Consider temporary interruption or discontinuation of MITIGARE® (5.4, 7).

#### ADVERSE REACTIONS

The most commonly reported adverse reactions with colchicine are gastrointestinal symptoms, including diarrhea, nausea, vomiting, and abdominal pain (6).

To report SUSPECTED ADVERSE REACTIONS, contact Hikma Americas, Inc. at 1-800-962-8364 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

#### DRUG INTERACTIONS

- Co-administration of P-gp or CYP3A4 inhibitors or inhibitors of both P-gp and CYP3A4 (e.g., clarithromycin or cyclosporine) have been reported to lead to colchicine toxicity. The potential for drug-drug interactions must be considered prior to and during therapy.

- Concomitant use of MITIGARE® and inhibitors of CYP3A4 or P-gp should be avoided if possible. If co-administration of MITIGARE® and an inhibitor of CYP3A4 or P-gp is necessary, the dose of MITIGARE® should be reduced and the patient should be monitored carefully for colchicine toxicity (7, 12.3).

#### USE IN SPECIFIC POPULATIONS

- In the presence of renal or hepatic impairment, patients should be monitored closely and dose adjustment should be considered as necessary (8.6, 8.7).
- Pregnancy: Use only if the potential benefit justifies the potential risk to the fetus (8.1).
- Nursing Mothers: Caution should be exercised when administered to a nursing woman (8.3).
- Geriatric Use: The recommended dose of colchicine should be based on renal/hepatic function (8.5).

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\*Sections or subsections omitted from the full prescribing information are not listed.

ering the dose of colchicine:

**Digestive:** abdominal cramping, abdominal pain, diarrhea, lactose intolerance, nausea, vomiting

**Neurological:** sensory motor neuropathy

**Dermatological:** alopecia, maculopapular rash, purpura, rash

**Hematological:** leukopenia, granulocytopenia, thrombocytopenia, pancytopenia, aplastic anemia

**Hepatobiliary:** elevated AST, elevated ALT

**Musculoskeletal:** myopathy, elevated CPK, myotonia, muscle weakness, muscle pain, rhabdomyolysis

**Reproductive:** azoospermia, oligospermia

To report SUSPECTED ADVERSE REACTIONS, contact Hikma Americas, Inc. at 1-800-962-8364 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

##### 7 DRUG INTERACTIONS

Colchicine is a substrate of the efflux transporter P-glycoprotein (P-gp), and the CYP3A4 metabolizing enzyme. Fatal drug interactions have been reported when colchicine is administered with clarithromycin, a dual inhibitor of CYP3A4 and P-glycoprotein. Toxicities have also been reported when colchicine is administered with inhibitors of CYP3A4 that may not be potent inhibitors of P-gp (e.g., grapefruit juice, erythromycin, verapamil), or inhibitors of P-gp that may not be potent inhibitors of CYP3A4 (e.g., cyclosporine).

Patients with renal or hepatic impairment should not be given MITIGARE® with drugs that inhibit both P-glycoprotein and CYP3A4 [see *Contraindications* (4)]. Combining these dual inhibitors with MITIGARE® in patients with renal and hepatic impairment has resulted in life-threatening or fatal colchicine toxicity.

Physicians should ensure that patients are suitable candidates for treatment with MITIGARE® and remain alert for signs and symptoms of toxic reactions associated with increased colchicine exposure due to drug interactions. Signs and symptoms of colchicine toxicity should be evaluated promptly and, if toxicity is suspected, MITIGARE® should be discontinued immediately.

###### 7.1 CYP3A4

The concomitant use of MITIGARE® and CYP3A4 inhibitors (e.g., clarithromycin, ketoconazole, grapefruit juice, erythromycin, verapamil, etc.) should be avoided due to the potential for serious and life-threatening toxicity [see *Warnings and Precautions* (5.3) and *Clinical Pharmacology* (12)].

If co-administration of MITIGARE® and a CYP3A4 inhibitor is necessary, the dose of MITIGARE® should be adjusted by either reducing the daily dose or reducing the dose frequency, and the patient should be monitored carefully for colchicine toxicity [see *Clinical Pharmacology* (12)].

###### 7.2 P-glycoprotein

The concomitant use of MITIGARE® and inhibitors of P-glycoprotein (e.g. clarithromycin, ketoconazole, cyclosporine, etc.) should be avoided due to the potential for serious and life-threatening toxicity [see *Warnings and Precautions* (5.3) and *Clinical Pharmacology* (12)].

If co-administration of MITIGARE® and a P-gp inhibitor is necessary, the dose of MITIGARE® should be adjusted by either reducing the daily dose or reducing the dose frequency, and the patient should be monitored carefully for colchicine toxicity [see *Clinical Pharmacology* (12)].

###### 7.3 HMG-CoA Reductase Inhibitors and Fibrates

Some drugs such as HMG-CoA reductase inhibitors and fibrates may increase the risk of myopathy when combined with MITIGARE®. Complaints of muscle pain or weakness could be an indication to check serum creatinine kinase levels for signs of myopathy.

###### 7.4 Drug-Drug Interaction Studies

Four pharmacokinetic studies evaluated the effects of co-administration of voriconazole (200 mg BID), fluconazole (200 mg QD), cimetidine (800 mg BID), and propafenone (225 mg BID) on systemic levels of colchicine. Colchicine can be administered with these drugs at the tested doses without a need for dose adjustment. However, these results should not be extrapolated to other co-administered drugs [see *Drug-Drug Interactions* (7.1, 7.2) and *Pharmacokinetics* (12.3)].

##### 8 USE IN SPECIFIC POPULATIONS

###### 8.1 Use in Pregnancy

**Pregnancy Category C.** There are no adequate and well-controlled studies with MITIGARE® in pregnant women. Colchicine crosses the human placenta. Developmental studies in animals were not conducted with MITIGARE®, however published animal reproduction and development studies with colchicine demonstrated embryofetal toxicity, teratogenicity, and altered postnatal development at exposures within or above the clinical therapeutic range. Colchicine should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

## Medication Guide

**MITIGARE®**

**(mīt-ah-gār-ay)**  
**Capsules**

**Rx only**

### What is the most important information I should know about MITIGARE®?

MITIGARE® can cause serious side effects or death if levels of MITIGARE® are too high in your body.

- Taking certain medicines with MITIGARE® can cause your level of MITIGARE® to be too high, especially if you have kidney or liver problems.
- Tell your healthcare provider about all your medical conditions, including if you have kidney or liver problems. Your dose of MITIGARE® may need to be changed.
- Even medicines that you take for a short period of time, such as antibiotics, can interact with MITIGARE® and cause serious side effects or death.

### What is MITIGARE®?

MITIGARE® is a prescription medication used to prevent gout flares in adults.

It is not known if MITIGARE® is safe and effective for the treatment of:

- acute gout flares

MITIGARE® is not a pain medicine and it should not be taken to treat pain related to other conditions unless specifically for those conditions.

It is not known if MITIGARE® is safe and effective in children.

### Who should not take MITIGARE®?

**Do not** take MITIGARE® if you have liver and kidney problems and you take certain other medicines. Serious side effects, including death, have been reported in these people even when taken as directed. See “**What is the most important information I should know about MITIGARE®?**”

### What should I tell my healthcare provider before taking MITIGARE®?

Before you take MITIGARE®, tell your healthcare provider:

- about all of your medical conditions
- if you have kidney or liver problems
- if you are pregnant or plan to become pregnant. It is not known if MITIGARE® can harm your unborn baby. Talk to your healthcare provider if you are pregnant or plan to become pregnant.
- if you are breastfeeding or plan to breastfeed. MITIGARE® can pass into your breast milk and may harm your baby. Talk to your healthcare provider about the best way to feed your baby if you take MITIGARE®.

**Tell your healthcare provider about all the medicines you take**, including prescription, over-the-counter medicines, vitamins, or herbal supplements.

- Using MITIGARE® with certain other medicines can affect each other causing serious side effects and/or death.
- Do not take MITIGARE® with other medicines unless your healthcare provider tells you to.
- Know the medicines you take. Keep a list of your medicines with you to show your healthcare provider and pharmacist each time you get a new medicine.
- Especially tell your healthcare provider if you take:
  - medicines that may affect how your liver works (CYP3A4 inhibitors)
  - cyclosporine (Neoral®, Gengraf®, Sandimmune®)
  - cholesterol lowering medicines
  - antibiotics

Ask your healthcare provider or pharmacist if you are not sure if you take any of the medicines listed above. This is not a complete list of all the medicines that can affect MITIGARE®.

### How should I take MITIGARE®?

- Take MITIGARE® exactly as your healthcare provider tells you to take it.
- MITIGARE® can be taken with or without food.
- If you take too much MITIGARE® call your healthcare provider or go to the nearest hospital emergency room right away.
- Do not stop taking MITIGARE® unless your healthcare provider tells you to.
- If you miss a dose of MITIGARE®, take it as soon as you remember. If it is almost time for your next dose, skip the missed dose. Take the next

