

an eye examination and you are at risk and to receive preventative treatment if you are.

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• **Antidepressant medicines have other side effects.** Talk to the healthcare provider about the side effects of the medicine prescribed for you or your family member.

• **Antidepressant medicines can interact with other medicines.** Know all of the medicines that you or your family member takes. Keep a list of all medicines to show the healthcare provider. Do not start new medicines without first checking with your healthcare provider.

• **Not all antidepressant medicines prescribed for children are FDA approved for use in children.** Talk to your child's healthcare provider for more information.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

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

Manufactured In Israel By:
TEVA PHARMACEUTICAL IND. LTD.
Jerusalem, 91010, Israel

Manufactured For:
TEVA PHARMACEUTICALS USA
Sellersville, PA 18960

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lightheadedness, problems with vision, and confusion.

Call your doctor right away if you have any of the following side effects:

- Yellowing of the skin or whites of eyes (jaundice)
- Unusually dark urine
- Loss of appetite that lasts several days or longer
- Severe nausea
- Abdominal (lower stomach) pain
- Rash or hives
- Seizure (convulsion)
- Fainting
- Erection that lasts too long

Tell your doctor right away about any side effects that you have or discomf for that you experience. Do not change your dose or stop taking nefazodone without talking with your doctor first.

Medicines are sometimes prescribed for conditions that are not mentioned in patient information leaflets. Your doctor has prescribed nefazodone for you and you alone. Do not give nefazodone to other people even if they have the same condition. It may harm them.

This leaflet provides a summary of the most important information about nefazodone. If you would like more information, talk with your doctor or pharmacist. You can ask for information about nefazodone that is written for healthcare professionals.

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Bupirone - In a study of steady-state pharmacokinetics in healthy volunteers, administration of bupirone (2.5 or 5 mg BID) with nefazodone (250 mg BID) resulted in marked increase in plasma bupirone concentrations (increases up to 20 fold in C_{max} and up to 50 fold in AUC) and statistically significant decreases (about 50%) in plasma concentrations of the bupirone metabolite 1-pyrimidinylpiperazine. With 5 mg BID doses of bupirone, slight increases in AUC were observed for nefazodone (23%) and its metabolites hydroxynefazodone (17%), mCPP (9%). Subjects receiving nefazodone 250 mg BID and bupirone 5 mg BID experienced lightheadedness, asthenia, dizziness, and somnolence, adverse events also observed with drug alone. If the two drugs are to be used in combination, a low dose of bupirone (2.5 mg OD) is recommended. Subsequent dose adjustment of either drug should be based on clinical assessment.

Pimozide - See **CONTRAINDICATIONS, WARNINGS, and PRECAUTIONS, Pharmacokinetics, and Potential Interaction With Drugs That Inhibit and/or Are Metabolized by Cytochrome P450 Isozymes.**

Fluoxetine - When fluoxetine (20 mg QD) and nefazodone (200 mg BID) were administered at steady state, there were no changes in the pharmacokinetic parameters for either metabolite, norfluoxetine. Similarly, there were no changes in the pharmacokinetic parameters of nefazodone or HO-NEF; however, the mean AUC levels of the nefazodone metabolites and triazole-dione increased by 3 to 6 fold and 1.3 fold, respectively. When a 200 mg nefazodone was administered to subjects who had been receiving fluoxetine for 1 week, there was an increased incidence of transient adverse events such as headache, lightheadedness, nausea, or paresthesia, possibly due to the elevated mCPP levels. Patients who are sensitive to fluoxetine may experience an adequate washout period may experience transient adverse events. The possibility of this happening can be minimized by allowing a washout period before initiating nefazodone therapy and by reducing the initial dose of nefazodone. Because of the long half-life of fluoxetine and its metabolites, this washout period may range from one to several weeks depending on the dose of fluoxetine and other individual patient variables.

Phenytin - Pretreatment for 7 days with 200 mg BID of nefazodone had no effect on the pharmacokinetics of a single 300 mg oral dose of phenytin. However, due to the no effect on the pharmacokinetics of phenytin does not preclude the possibility of a clinically significant interaction with nefazodone when phenytin is dosed chronically. However, no change in the initial dosage of phenytin is considered necessary and any subsequent adjustment of phenytin dosage should be guided by usual clinical practices.

Desipramine - When nefazodone (150 mg BID) and desipramine (75 mg QD) were administered together there were no changes in the pharmacokinetics of desipramine or its metabolite 2-hydroxy desipramine. There were also no changes in the pharmacokinetics of nefazodone or its triazole-dione metabolite, but the AUC and C_{max} of mCPP increased by 44% and 20%, respectively, while the AUC of HO-NEF decreased by 19%. No changes in doses of nefazodone or desipramine are necessary when the two drugs are given concomitantly. Subsequent dose adjustments should be made on the basis of clinical response.

Lithium - In 13 healthy subjects the coadministration of nefazodone (200 mg BID) with lithium (500 mg BID) for 5 days (steady-state conditions) was found to be well tolerated. When the two drugs were coadministered, there were no changes in the steady-state pharmacokinetics of either nefazodone or lithium. However, there were small decreases in the steady-state plasma concentrations of two nefazodone metabolites, mCPP and triazole-dione, which are considered not to be of clinical significance. Therefore, no dosage adjustment of lithium or nefazodone is required when they are coadministered.

Carbamazepine - The coadministration of nefazodone (200 mg BID) for 5 days to 12 subjects on carbamazepine who had achieved steady state (200 mg BID) was found to be tolerated. Steady-state conditions for carbamazepine, nefazodone, and several of their metabolites were achieved by day 5 of coadministration. With coadministration of the two drugs, there were significant increases in the steady-state C_{max} and AUC of carbamazepine (23% and 23%, respectively), while the steady-state C_{min} and the AUC of the carbamazepine metabolite 10,11-epoxy-carbamazepine decreased by 21% and 20%, respectively. The coadministration of the two drugs significantly reduced the steady-state C_{max} and AUC of nefazodone by 86% and 94%, respectively. Similar reductions in the C_{max} and AUC of HO-NEF were also observed (8% and 44%, while the reductions in C_{min} and AUC of mCPP and triazole-dione were more modest and 44% for the former and 28% and 57% for the latter). Due to the potential for coadministration of carbamazepine to result in insufficient plasma nefazodone and hydroxynefazodone concentrations for achieving an antidepressant effect for nefazodone, it is recommended that nefazodone be used in combination with carbamazepine (see **CONTRAINDICATIONS and WARNINGS**).

General Anesthetics - Little is known about the potential for interaction between nefazodone and general anesthetics; therefore, prior to elective surgery, nefazodone hydrochloride should be discontinued for as long as clinically feasible.

Other CNS-Active Drugs - The use of nefazodone in combination with other CNS-active drugs has not been systematically evaluated. Consequently, caution is advised if concurrent administration of nefazodone and such drugs is required.

Cimetidine
When nefazodone (200 mg BID) and cimetidine (300 mg QID) were coadministered for 1 week, no change in the steady-state pharmacokinetics of either nefazodone or cimetidine was observed compared to each dose alone. Therefore, dosage adjustment is not necessary for either drug when coadministered.

Theophylline
When nefazodone (200 mg BID) was given to patients being treated with theophylline (600 to 1200 mg/day) for chronic obstructive pulmonary disease, there was no change in the steady-state pharmacokinetics of either nefazodone or theophylline. FEV₁ measurement when theophylline and nefazodone were coadministered did not differ from baseline doses when theophylline was administered alone. Therefore, dosage adjustment is not necessary for either drug when coadministered.

Cardiovascular-Active Drugs
Digoxin - When nefazodone (200 mg BID) and digoxin (0.2 mg OD) were coadministered for 9 days to healthy male volunteers (n = 18) who were phenotyped as CYP2D6 extensive metabolizers, C_{max} , C_{min} , and AUC of digoxin were increased by 29%, 27%, and 27%, respectively. Digoxin had no effects on the pharmacokinetics of nefazodone and its metabolites. Because of the narrow therapeutic index of digoxin, caution should be exercised when nefazodone and digoxin are coadministered; plasma level monitoring for digoxin is recommended.

Propranolol - The coadministration of nefazodone (200 mg BID) and propranolol (40 mg BID) for 5.5 days to healthy male volunteers (n = 18), including 3 poor and 15 extensive CYP2D6 metabolizers, resulted in 30% and 14% reductions in C_{max} and AUC of propranolol, respectively, and a 14% reduction in C_{min} for the metabolite, 4-hydroxypropranolol. The effects of nefazodone, hydroxynefazodone, and triazole-dione were not affected by coadministration of propranolol. However, C_{max} , C_{min} , and AUC of m-chlorophenylpiperazine were increased by 23%, 54%, and 28%, respectively. No change in initial dose of either drug is necessary and adjustments should be made on the basis of clinical response.

HMG-CoA Reductase Inhibitors - When single 40 mg doses of simvastatin or atorvastatin substrates of CYP3A4, were given to healthy adult volunteers who had received nefazodone hydrochloride, 200 mg BID for 6 days, approximately 20 fold increases in plasma concentrations of simvastatin and simvastatinic acid and 3 to 4 fold increases in plasma concentrations of atorvastatin and atorvastatin lactone were seen. These effects appear to be due to the inhibition of CYP3A4 by nefazodone because, in the same study, nefazodone had no significant effect on the plasma concentrations of pravastatin, which is not metabolized by CYP3A4 to a significant extent.

There have been rare reports of rhabdomyolysis involving patients receiving the combination of nefazodone and either simvastatin or lovastatin, also a substrate of CYP3A4 (see **ADVERSE REACTIONS, Postintroduction Clinical Experience**). Rhabdomyolysis has been observed in patients receiving HMG-CoA reductase inhibitors administered alone (at recommended dosages) in particular, for certain drugs in this class, when given in combination with inhibitors of CYP3A4 isozyme.

Caution should be used if nefazodone is administered in combination with HMG-CoA reductase inhibitors that are metabolized by CYP3A4, such as simvastatin, atorvastatin, or lovastatin. Dosage adjustments of these HMG-CoA reductase inhibitors are recommended. Since drug-drug interactions are unlikely between nefazodone and HMG-CoA reductase inhibitors that are not metabolized by the CYP3A4 isozyme, such as pravastatin or fluvastatin, dosage adjustments should not be necessary.

Immunosuppressive Agents
There have been reports of increased blood concentrations of cyclosporine and tacrolimus into toxic ranges when patients received these drugs concomitantly with nefazodone. Cyclosporine and tacrolimus are substrates of CYP3A4, and nefazodone is known to inhibit this enzyme. If either cyclosporine or tacrolimus is administered with nefazodone, concentrations of the immunosuppressive agent should be monitored and dosage adjusted accordingly.

Pharmacokinetics of Nefazodone in "Poor Metabolizers" and Potential Interaction With Drugs That Inhibit and/or Are Metabolized by Cytochrome P450 Isozymes

CYP3A4 Isozyme - Nefazodone has been shown *in vitro* to be an inhibitor of CYP3A4. This is consistent with the interactions observed between nefazodone and triazolam, alprazolam, bupirone, atorvastatin, and simvastatin, drugs metabolized by this isozyme. Caution is indicated in the combined use of nefazodone with any drugs known to be metabolized by CYP3A4. In particular, the combined use of nefazodone with triazolam should be avoided in most patients, including the elderly. The combined use of nefazodone with terfenadine, astemizole, or pimozide is contraindicated (see **CONTRAINDICATIONS and WARNINGS**).

CYP2D6 Isozyme - A subset (3% to 10%) of the population has reduced activity of the drug-metabolizing enzyme CYP2D6. Such individuals are referred to, commonly as "poor metabolizers" of drugs such as desipramine, dextromethorphan, and the tricyclic antidepressants.

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