on metadoome injunctionate tables of any time analysis and procession in a climit, advecting, or young adult must balance this risk with the climical need. Short-term studies did not show an increase in the risk of suicidaility with antidepressants compared to placebo in adults beyond be adulted as a reduction in risk with antidepressants compared to placebo and adults aped be adulted as a reduction in risk with antidepressants compared to placebo and adults aped be adulted by the start of the start and the start of the start of the start of an antidepressant therapy should be monitored appropriately and observed closely for clinical worsening, suicidaility, or unusual changes in behavior. Families and caregivers should be advised of the need for close observation and communication with the prescriber. Netsadone hydrochloride tablets are not approved for use in pediatric patients (see WARINKS, Clinical Worsening Suicide Risk, PRECAUTIONS, Information for Patients, and PRECAUTIONS, Pediatric Use).

Before prescribing nefazodone hydrochloride tablets, the physician should be thoroughly familiar with the details of this prescribing information.

Warning Cases of life-threatening hepatic failure have been reported in patients treated with nefazodone hydrochloride tablets. The reported rate in the United States is about 1 case of liver failure resulting in death or transplant per 250,000 to 300,000 patient-years of nefazodone hydrochloride treatment. The total patient-years is a summation of each patient's duration of exposure expressed in years. For example, 1 patient-year is equal to 2 patients each treated for 6 months, 3 patients each treated for 4 months, etc. (see WARNNGS).

Ordinarily, treatment with nefazodone hydrochloride tablets should not be initiated in individuals with active liver disease or with elevated baseline serum transaminases. There is no evidence that pre-axisting liver disease increases the likelihood of developing liver failure, however, baseline abnormalities can complicate patient monitoring.

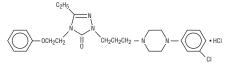
Patients should be advised to be alert for signs and symptoms of liver dysfunction (jaundice, anorexia, gastrointestinal complaints, malaise, etc.) and to report them to their doctor immediately if they occur.

doctor immeniately in mey occur. Netrazodone hydrochloride tablets should be discontinued if clinical signs or symptoms suggest liver failure (see PRECAUTIONS, Information for Patients). Patients who develop evidence of hepatotellutar injury such as increased serum AST events ALT evels > 3 times the upper limit of NORMAL, while on netazodone hydrochloride tablets should be withdrawn from the drug. These patients should be presured to be at increased risk for liver injury interazodone hydrochloride is reintroduced. Accordingly, such patients should not be considered for re-treatment.

DESCRIPTION

Nefazodone hydrochloride tablets USP are an antidepressant for oral administration with a chemical structure unrelated to selective serotonin reuptake inhibitors, tricyclics, tetracyclics, o monoamine oxidase inhibitors (MAOI).

Netazodone hydrochloride is a synthetically derived phenylpiperazine antidepressant. The chemical name for netazodone hydrochloride is 2-[3-[4-(3-chlorophenyl)-1-piperaziny]] propyl]-5-ettlyl-2-4-dihydro-4-(2-phenoxyethyl)-3H-1,2,4-triazol-3-one monohydrochloride. The structural formula is



C25H32CIN5O2•HCI M.W. 506.5

Nefazodone hydrochloride is a nonhygroscopic, white crystalline solid. It is freely soluble in chloroform, soluble in propylene glycol, and slightly soluble in polyethylene glycol and water.

Chloroomin, souble in propyete glycol, and signify souble in polyetingene glycol and water. Netazodne hydrochloride tablets USP are exuppled as capsule-shaged tablets containing 50 mg, 100 mg, 150 mg, 200 mg, or 250 mg of netazodone hydrochloride and the following inactive ingredients: colloidal silicon dioxide, magnesium stearate, microcrystalline cellulose, sodium starch glycolate and povidone. Additionally, the 50 mg tablets include ferric oxide red as a colorant, the 150 mg tablets include ferric oxide red and yellow as colorants, and the 200 mg tablets include ferric oxide yellow as a colorant.

CLINICAL PHARMACOLOGY

Pharmacodynamics The mechanism of action of nefazodone, as with other antidepressants, is unknown. Preclinical studies have shown that nefazodone inhibits neuronal uptake of serotonin and

norepinephrine. Netzodone occupies central 5-HT₂ receptors at nanomolar concentrations, and acts as an antagonist at this receptor. Netazodone was shown to antagonize alphan-adrenergic receptors, a property which may be associated with postural hypotension. *In vitro* binding studies showed that netazodone had no significant affainty for the following receptors: alpha₂ and beta adrenergic, 5-HT_{1A}, cholinergic, dopaminergic, or benzodiazepine.

Pharmacokinetics Nefazodone is rank efazodone is rapidly and completely absorbed but is subject to extensive metabolism, so that its absolute bioavailability is low, about 20%, and variable. Peak plasma concentrations occur at about one hour and the half-life of nefazodone is 2 to 4 hours.

about one hour and the half-life of nefazodone is 2 to 4 hours. Both nefazodone and its pharmacologically similar metabolite, hydroxynefazodone, exhibit nonlinear kinetics for both dose and time, with AUC and G_{max} increasing more than proportionally with dose increases and more than expected upon multiple dosing over time, compared to single dosing. For example, in a multiple-dose study involving BID dosing with 50, 100, and 200 mg, the AUC for nefazodone and hydroxynefazodone increase do yabout 3 hold with the same dose increase. In a multiple-dose study involving BID dosing with 55, 50, 100, and 150 mg, the accumulation ratios for nefazodone and hydroxynefazodone (X, aftr 5 days of BID dosing vita) and from 5 to 7 at the higher doses (200 to 300 mg/dat); there were also approximately 2 to 4 fold increases in G_{max} after 5 days of BID dosing vita by droxyne to see suby involving and practice the inst dose, suggesting extensive and greater than predicted accumulation or float doors and metabolite concentrations are attained within 4 to 5 days of fillid on gr upod see increase. 5 days of initiation of BID dosing or upon dose increase or decrease.

5 days of initiation or bio dusing or upon dose increase or decrease. Netracodone is extensively metabolized after oral administration by n-dealkylation and aliphatic and aromatic hydroxylation, and less than 1% of administered netazodone is excreted unchanged in urine. Afternets to characterize three metabolites identified in plasma, hydroxynetazodone (HO-NEF), meta-chlorophenylopierazine (mCPP), and a triazole-dione metabolite, have been carried out. The AUC (expressed as a multiple of the AUC for netazodone dosed at 100 mg BID) and elimination half-lives for these three metabolites were as follows:

AUC Multiples and T1/2 for Three Metabolites of Nefazodone (100 mg BID)

,.		• /
Metabolite	AUC Multiple	T _{1/2}
HO-NEF	0.4	1.5 to 4 h
mCPP	0.07	4 to 8 h
Triazole-dione	4.0	18 h

HO-NEF possesses a pharmacological profile qualitatively and quantitatively similar to that of nefazodone. mCPP has some similarities to nefazodone, but also has agonist activity at some serotomergic recipitor subtypes. The pharmacological profile of the triazole-dione metabolite has not yet been well characterized. In addition to the above compounds, several other metabolites were present in plasma but have not been tseted for pharmacological advitiv;

After oral administration of radiolabeled nefazodone, the mean half-life of total label ranged between 11 and 24 hours. Approximately 55% of the administered radioactivity was detected in urine and about 20 to 30% in feces. Distribution

Nefazodone is widely distributed in body tissues, including the central nervous system (CNS). In humans the volume of distribution of nefazodone ranges from 0.22 to 0.87 L/kg.

humans the volume or usuruuouo or neaccourse and the protein Binding Protein Binding At concentrations of 25 to 2500 ng/mL nefazodone is extensively (> 99%) bound to human plasma proteins in vitro. The administration of 200 mg BID of nefazodone for 1 week did not increase the fraction of unbound warfarin in subjects whose prothrombin times had been prolonged by varfarin theragy to 120 to 150% of the laboratory control (see **PRECAUTIONS**). **Drug Interactions**). While nefazodone did not alter the *in vitro* protein binding of chlorpromazine, desipramine, dizarepam, diphenyllydantioni, lidocane, prazosin, propranolo, or veragamil, it is unknown whether displacement of either nefazodone or these drugs occurs *in vivo*. There was a 5% decrease in the protein binding of haloperidol; this is probably of no clinical significance.

Food delays the absorption of nefazodone and decreases the bioavailability of nefazodone by approximately 20%.

Renal Disease In studies involving 29 renally impaired patients, renal impairment (creatinine clearances ranging from 7 to 60 mL/min/1.73 m²) had no effect on steady-state netazodone plasma concentrations.

Liver Disease In a multiple-dose study of patients with liver cirrhosis, the AUC values for nefazodone and HO-NEE at steady state were approximately 25% greater than those observed in normal volunteers

Age/Gender Effects After single doses of 300 mg to younger (18 to 45 years) and older patients (> 65 years), C_{max}

younger and older patients

WOTHET (See DUSAGE F

younger and older patients. **Clinical Efficacy Trial Results** Studies in Outpatients With Depression During its premarketing development, the efficacy of nefazodone was evaluated at doses within the therapeutic range in five well-controlled, short-term (6 to 8 weeks) clinical investigations. These trials enrolled outpatients meeting DSM-III or DSM-IIIR criteria for major depression. Among these trials, two demonstrated the effectiveness of nefazodone, and two provided

One trial was a 6 week dose-titration study comparing nefazodone in two dose ranges (up to 300 mg/day and up to 600 mg/day (mean modal dose for this group was about 400 mg/day), on a BID schedule) and placebo. The second trial was an 8 week dose-titration study comparing netazodone (up to 600 mg/day; mean modal dose was 375 mg/day), imipramine (up to 300 mg/day), and placebo, all on a BID schedule. Both studies demonstrated netazodone, at doses titrated between 300 mg to 600 mg/day (therapeutic dose range), to be superior to placebo on at least three of the following four measures: 17 titme Hamitton Depression Rating Scale or HDRS (total score), Hamitton Depressed Mood Item, Clinical Global Impressions (CGI) Severity score, and CGI Improvement score. Spinificant differences were also found for certain factors of the HDRS (e.g., anxiety factor, sleep disturbance factor, and retardation factor). In the two supportive studies, netazodone was titrated up to 500 roß Omg/day (man modal doses of 462 mg/day and 363 mg/day). In the fifth study, the differentiation in response rates between netazodone and placebo was tatistical significant. Three additional trials were conducted using subtherapeutic doses of netazodone. Devel subtherapeutic doses of netazodone. One trial was a 6 week dose-titration study comparing nefazodone in two dose ranges (up to

Overall, approximately two thirds of natients in these trials were women, and an analysis of the effects of gender on outcome did not suggest any differential responsiveness on the basis of sex. There were too few elderly patients in these trials to reveal possible age-related differences in response.

Since its initial marketing as an antidepressant drug product, additional clinical investigations of nefazodone have been conducted. These studies explored nefazodone's use under conditions not evaluated fully at the time initial marketing approval was granted.

Studies in "Inpatients" Two studies were conducted to evaluate nefazodone's effectiveness in hospitalized depressed patients. These were 6 week, dose-titration trials comparing nefazodone (up to 600 mg/day) Two studies were conducted to evaluate nefazodone's effectiveness in hospitalized depressed patients. These were 6 week, dose-titration trials comparing nefazodone (up to 600 mg/day) and placebo, on a BID schedule. In one study, nefazodone was superior to placebo. In this study, the mean modal dose of nefazodone was 503 mg/day, and 85% of these inpatients were melancholic; at baseline, patients were distributed at the higher end of the 7 point CGI Severity scale, as follows: 4 = moderately ill (17%); 5 = markedly ill (148%); 6 = severly soll (32%). In the other study, the differentiation in response rates between nefazodone and placebo was not statistically significant. This result may be explained by the "high" rate of spontaneous improvement among the patients randomized to placebo.

improvement among the patients randomized to placebo. Studies of "Relapse Prevention in Patients Recently Recoveral (Clinically) From Depression" Two studies were conducted to assess nefazodone's capacity to maintain a clinical remission in acutely depressed patients who were judged to have responded adequately (HDRS total score \leq 10) after a 16 week period of open treatment with netazodone (litration up to 600 mg/day). I one study, netazodone was superior to placebo. In this study, patients (n = 131) were randomized to continuation on netazodone or placebo for an additional 36 weeks (1 year total). This study demonstrated a significantly lower relapse rate (HDRS total score \geq 18) for patients taking netazodone compared to those on placebo. The second study was of appropriate design and power, but the sample of patients admitted for evaluation did no stuffer relapses at a high enough incidence to provide a meaningful test of netazodone's efficacy for this use. Comparisons of Clinical Trial Results

Comparisons or onimitant marinesums Highly variable results have been seen in the clinical development of all antidepressant drugs. Furthermore, in those circumstances when the drugs have not been studied in the same controlled clinical trail(s), comparisons among the findings of studies evaluating the effectiveness of different antidepressant drug products are inherently unreliable. Because conditions of testing (e.g., patient samples, investigators, doses of the treatments administered and compared, outcome measures, etc.) vary among trials, it is virtually impossible to distinguish a difference in drug effect from a difference due to one or more of the confounding factors just enumerated.

INDICATIONS AND USAGE Nefazodone hydrochloride tablets are indicated for the treatment of depression. When deciding among the alternative treatments available for this condition, the prescriber should consider the risk of hepatic failure associated with nefazodone hydrochloride treatment (see WARNINGS). In many cases, this would lead to the conclusion that other drugs should be tried first.

The efficacy of nefazodone in the treatment of depression was established in 6 to 8 week controlled trials of outpatients and in a 6 week controlled trial of depressed inpatients whose diagnoses corresponded most closely to the DSM-III or DSM-IIIR category of major depressive disorder (see **CLINICAL PHARMACOLOGY**).

Lasorea (see current intermediate a prominent and relatively persistent depressed or dysphoric mood that usually interferes with daily functioning (nearly every day for at least 2 weeks). It must include either depressed mood or loss of interest or pleasure and at least free of the following nine symptoms: depressed mood, loss of interest in usual activities, significant change in weight and/or appetite. insomia or hypersonnia, psychomotor aglation or retrartation, increased faitigue, feelings of guilt or worthlessness, slowed thinking or impaired concentration, a suicide attempt or suicidal ideation.

The efficacy of nefazodone in reducing relapse in patients with major depression who were judged to have had a satisfactory clinical response to 16 weeks of open-label nefazodone treatment for an acute depressive episode has been demonstrated in a randomized intractionite treatment for all acture uppressive episode has used in entitoxistrated in a randomized placebo-controlled trial (see CLINICAL PHAMACOLOGY). Although remitted patients were followed for as long as 36 weeks in the study othed (i.e., 52 weeks total), the physician who elects to use net azodone for extended periods should periodically treavaluate the long-term usefulness of the drug for the individual patient.

CONTRAINDICATIONS

Coadministration of terfenadine, astemizole, cisapride, pimozide, or carbam nefazodone hydrochloride is contraindicated (see WARNINGS and PRECAUTIONS) arbamazepine with

Nefazodone hydrochloride tablets are contraindicated in patients who were withdrawn from nefazodone because of evidence of liver injury (see **BOXED WARNING**). Nefazodone hydrochloride tablets are also contraindicated in patients who have demonstrated hypersensitivity to nefazodone hydrochloride, its inactive ingredients, or other phenylpiperazine antidepressants. The coadministration of trizzolam and nefazodone causes a significant increase in the plasma level of trizzolam (see WARNINGS and PRECAUTIONS), and a 75% reduction in the initial trizzolam dosage is recommended if the two drugs are to be given together. Because not all commercially available dosage forms of triazolam permit a sufficient dosage reduction, the coadministration of triazolam and nefazodone should be avoided for most patients, including the eldery.

WARNINGS Clinical Worsening and Suicide Risk

Cuinical worsening and subclue hisk Patients with major depressive disorder (MDD), both adult and pediatric, may experience worsening of their depression and/or the emergence of suicidal ideation and behavior (suicidality) or unusual changes in behavior, whether or not they are taking antidepressant (solucianty) of unusual changes in denavior, when or not they are using an using the medications, and this risk may persist unit isginificant remission occurs. Suicide is a known risk of depression and certain other psychiatric disorders, and these disorders themselves are the strongest predictors of suicide. There has been a long-standing concern, however, that antidepressants may have a role in inducing worsening of depression and the emergence of suicidality in certain patients during the early phases of treatment. Pooled analyses of short-term placebo-controlled trials of antidepressant drugs (SSRIs and others) showed that these drugs increase the risk of suicidal thinking and behavior (suicidality) in children, and uses drugs increases the iss of source timining and behavior (sourcearly) in clinicity, adolescents, and young adults (ages 18 to 24) with major depressive disorder (MDD) and other psychiatric disorders. Short-term studies did not show an increase in the risk of suicidality with antidepressants compared to placebo in adults beyond age 24; there was a reduction with antidepressants compared to placebo in adults aged 65 and older.

anticepressants compared to place on maturis age of an order. The pooled analyses of placebo-controlled trials in children and adolescents with MDD, obsessive compulsive disorder (OCD), or other psychiatric disorders included a total of 24 short-term trials of 9 antidepressant drugs in over 4400 patients. The pooled analyses of placebo-controlled trials in adults with MDD or other psychiatric disorders included a total of 25 short-term trials (or 24 and 25 short) and 25 months) of 11 antidepressant drugs in over 77.000 patients. There was considerable variation in risk of suicidality among drugs, but a tendency toward an increase in the younger patients for almost all drugs studied. There were differences in absolute risk of suicidality across the different indications, with the highest incidence in MDD. The risk differences (drug vs. have relatively, table) writin and estrata and across risk or souckany across the Uniferent indications; with the indices indicate in Work indicates a work indicates a source in the indicates indicates a source indicates and across indications. These risk differences (drug-placebo difference in the number of cases of suicidality per 1000 patients treated) are provided in **Table 1**.

Table 1

Age Range	Drug-Placebo Difference in Number of Cases of Suicidality per 1000 Patients Treated	
	Increases Compared to Placebo	
< 18	14 additional cases	
18 to 24	5 additional cases	
	Decreases Compared to Placebo	
25 to 64	1 fewer case	
≥ 65	6 fewer cases	

No suicides occurred in any of the pediatric trials. There were suicides in the adult trials, but the number was not sufficient to reach any conclusion about drug effect on suicide.

It is unknown whether the suicidality risk extends to longer-term use, i.e., beyond several months. However, there is substantial evidence from placebo-controlled maintenance trials in adults with depression that the use of antidepressants can delay the recurrence of depression

The totiowing sympolicits, articlety, agliauoli, painc a agressiveness, impulsivity, attachisa (psychomotor r have been reported in adult and pediatric patients being depressive discorder as well as for other indications, Although a causal link between the emergence of such depression and/or the emergence of suicidal impulses ha that such symptoms may represent precursors to emerg Consideration should be given to changing the the discontinuing the medication, in patients whose depr are experiencing emergent suicidality or symptoms th depression or suicidality, especially if these symptoms a part of the patient's presenting symptoms.

part of the patient's presenting symptoms. Families and caregivers of patients being treat depressive disorder or other indications, both psy be alerted about the need to monitor patients for the unusual changes in behavior, and the other sympto emergence of suicidality, and to report such sym providers. Such monitoring should include daily obs Prescriptions for netazodone hydrochloride tablets sho of tablets consistent with good patient management, in Scenarion Petiter to Reinder Disorder.

Screening Patients for Rinolar Disorder

Screening Patients to bipolar Disorder A major depressive episode may be the initial presenta believed (though not established in controlled trials) i antidepressant alone may increase the likelihood of pre patients at risk for bipolar disorder. Whether any of the such a conversion is unknown. However, prior to initia patients with depressive symptoms should be adequate risk for bipolar disorder; such screening should include a family history of suicide, bipolar disorder, and depress hydrochloride tablets are not approved for use in treating

Angle-Closure Glaucoma The pupillary dilation that occurs following use of netazodone hydrochloride tablets may trigger an an anatomically narrow angles who does not have a patent

Hepatotoxicity (See BOXED WARNING.)

Cases of life-threatening hepatic failure have been nefazodone hydrochloride tablets.

netazodone hydrochloride tablets. The reported rate in the United States is about 1 cass transplant per 250,000 to 300,000 patient-years of n a rate of about 3 to 4 times the estimated backgroun underestimate because of under reporting, and the tr than this. A large cohort study of antidepressant users to death or transplant among netazodone users in abi The spontaneous report data and the cohort study resu lower limits of the risk of liver failure in netazodone-tr providing a precise risk estimate.

The time to liver injury for the reported liver failure (generally ranged from 2 weeks to 6 months on nefazo described dark urine and nonspecific prodromal sym gastrointestinal symptoms), other reports did not de symptoms prior to the onset of jaundice.

The physician may consider the value of liver function testing has not been proven to prevent serious injury detection of drug-induced hepatic injury along with imn enhances the likelihood for recovery.

Patients should be advised to be alert for signs and syr anorexia, gastrointestinal complaints, malaise, etc.] immediately if they occur. Ongoing clinical assessmer interventions, including diagnostic evaluations and tre Interventions, including diagnostic evaluations and tre Nefazodone should be discontinued if clinical signs (see PRECAUTIONS, Information for Patients). Phepatocellular injury such as increased serum AST or limit of NORMAL, while on nefazodone should be will should be presumed to be at increased risk for liver Accordingly, such patients should not be considered for Potential for Interaction With Monoamine Oxidase Inhi In patients receiving antidepressants with pharmacolo in combination with a monoamine oxidase inhibitor serious, sometimes faal, reactions. For a selective ser reactions have included hyperthermia, rigidity, myocion rapid fluctuations of vital signs, and mental status progressing to delirium and coma. These reactions who have recently discontinued that drug and have b presented with features resembling neuroleptic maligna seizures, sometimes fatal, have been reported in associ antidepressants and MAOIS. These reactions have also recently discontinued these drugs and have been started Althount the effects of combined use of netaradone a Potential for Interaction With Monoamine Oxidase Inhi

Although the effects of combined use of nelazodone a humans or animals, because nelazodone is an inhibito reuptake, it is recommended that nelazodone not be u within 14 days of discontinuing treatment with an MAC after stopping nelazodone before starting an MAOI.

Interaction With Triazolobenzodiazepines

Interaction studies of nefazodone with two triazolo alprazolam, metabolized by cytochrome P450 3A4, ha important increases in plasma concentrations of th concomitantly with nefazodone.

concomitantly with netazodone. *Triazolam* When a single oral 0.25 mg dose of triazolam was coadm at steady state, triazolam half-life and AUC increased 41 1.7 foid. Netazodone plasma concentrations were unal of netazodam is coadministered with netazodone, a 75% re is recommended. Because not all commercially availa sufficient dosage reduction, coadministration of triazolam most patients, including the elderly. In the exceptional ca-with netazodine may be coreidered anomicate only with nefazodone may be considered appropriate, only should be used (see CONTRAINDICATIONS and PRECAU

Alprazolam When alprazolam (1 mg BID) and nefazodone (200 mg) peak concentrations, AUC and half-life values for al 2 fold. Nefazodone plasma concentrations were una is coadministered with nefazodone, a 50% reductior recommended. No dosage adjustment is required for nef

recommended. No dosage adjustment is required for net Potential Terrenadine, Astemizole, Cisapride, and Pim Terfenadine, astemizole, cisapride, and pimozide are all n (VCP3A) isozyme, and it has been demonstrated that inhibitors of CYP3A4 can block the metabolism of these plasma concernitations of parent drug, Increased plasma ca cisapride, and pimozide are associated with OT prolon cardiovascular adverse events, including death, due p the lorsade de pointes type. Nelszodone has been show Consequently, it is recommended that nelszodone not terfenadine, astemizole, cisapride, or pimozide (see CONT

Interaction With Carbanazepine Control Interaction With Carbanazepine The coadministration of carbanazepine 200 mg Bil steady state for both drugs, resulted in almost 95% re hydroxynefazodone, likely resulting in insufficient plasm concentrations for achieving an antidepressant effe is recommended that nefazodone not be used i (see CONTRAINDICATIONS and PRECAUTIONS).

PRECAUTIONS

Hepatotoxicity (See BOXED WARNING.)

(See BOXED WARNING.) Postural Hypotension A pooled analysis of the vital signs monitored during p revealed that 5.1% of netazodone patients compared to 2 criteria for a potentially important decrease in blood pr (systolic blood pressure < 90 mmHg and a change I there was no difference in the proportion of netazodon events characterized as 'syncope' (netazodone, 0.2%; events characterized as 'syncural hypotension' were as antidenressants (10.9%). SSRI (1.1%) and nlacebo



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HYDROCHLORIDE TABLETS USP

(Patient Information Included)

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

- Antidepressants are medicines used to treat depression and other illnesses. It is important to discuss all the risks of treating depression and also the risks of not treating it. Patients and their families or other caregivers should discuss all treatment choices with the healthcare provider, not just the use of antidepressants.
- · 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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Rev. F 5/2014

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 discomfort 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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Manufactured For: **TEVA PHARMACEUTICALS USA** Sellersville, PA 18960

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This Patient Information Leaflet has been approved by the U.S. Food and Drug Administration.

Buspirone – In a study of steady-state pharmacokinetics in healthy volunteers, coadmin of buspirone (25 or 5 m gBIO) with netazodone (250 m gBIO) resulted in marked incr plasma buspirone concentrations (increases up to 20 fold in C_{max} and up to 50 fold and statistically significant decreases (about 50%) in plasma concentrations of the bn metabolite 1-pyrimidiny/piperazine. With 5 mg BID doses of buspirone, sight incr AUC were obsess asthemia (zircenses, and work) and abasistically display and a statistically significant decrements (25%) and BID and buspirone 5 mg BID experimentation (23%) and its metabolites hydroxynetazodone (17 mCPP (9%), Subjects receiving netazodone 250 mg BID and buspirone 5 mg BID experimentations, allow dose of buspiron 2.5 mg BID is recommended. Subsequent dose adjustment of either drug should be buspirone fained assessment.

Pimozide – See **ContRainDicAtions, WARNINGS**, and **PRECAUTIONS**, Pharmacokin Nefazodone in 'Poor Metabolizers' and Potential Interaction With Drugs That Inhibit an Metabolized by Cytochrome P450 Isozymes.

Metabolized by Cytochrome P450 Isozymes. Fluoxetine – When fluoxetine (20 mg QD) and nefazodone (200 mg BID) were admi at stady state there were no changes in the pharmacokinetic parameters for fluoxetin metabolite, norfluoxetine. Similarly, there were no changes in the pharmacokinetic para of nefazodone on Ho-NEF; however; the mean AUC levels of the nefazodone metabolite 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 were was an increased incidence of transient adverse events such as headache, lighthear nuese, or parsthesia, possibly due to the elevated mCPP levels. Patients who are s from fluoxetine to nefazodone without an adequate washout period may experience transient adverse events. The possibility of this happening can be minimized by all washout period before initiating nefazodone therapy and by reducing the initial dose of nefa Because of the long hall-life of fluoxetine and its metabolites, this washout period may rar one to several weeks depending on the dose of fluoxetine and other individual patient vari-benution.

One to several weeks depending on the dose on indicatine and other minutang patient vari-phenytoin – Pretratament for 7 days with 200 mg BID of netazodone had no effect pharmacokinetics of a single 300 mg oral dose of phenytoin. However, due to the n pharmacokinetics of phenytoin dose not preclude the possibility of a clinically si interaction with netazodone when phenytoin is dosed chronically. However, no chang initial dosage of phenytoin is considered necessary and any subsequent adjustment of pl dosage should be guided by usual clinical practices.

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Subsequent cose aquisments show we make on make on mean response. Lithium – In 13 healthy subjects the coadministration of netazoolne (200 mg BID) with (500 mg BID) for 5 days (steady-state conditions) was found to be well tolerated. We two drugs were coadministered, there were no changes in the steady-state pharmacoking either lithium, netazoone, or its metabolite HO-HEF, however, there were small decrease steady-state plasma concentrations of two netazodone metabolites, mCPP and triacol which are considered not to be clinical significance. Therefore, no dosage adjustment lithium on netazodone 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 tolerated. Steady-state conditions for carbamazepine, nefazodone, and several of their me were achieved by day 5 of coadministration. With coadministration of the two drug were achieved by day 5 of coadministration. With coadministration of the two drug were significant increases in the steady-state C_{max} and AUC of carbamazepine (2 23%, respectively), while the steady-state C_{max} and the AUC of the carbamazepine into the steady-state C_{max} and AUC and AUC of networks. The steady-state C_{max} and AUC of networks the steady-state C_{max} and AUC of networks the steady-state C_{max} and AUC of the carbamazepine (2 94%), while the reductions in C_{max} and AUC of the Carbamazepine (2 94%), while the reductions in C_{max} and AUC of the Carbamazepine (2 or adhieved and AUC of the order and AUC of the order and the constant of the carbamazepine to result in insufficient plasma netazodone and hydroxynetazodone concertor achieved na antidepressant effect for netazodone, it is recommended that netazodone used in combination with carbamazepine (see CONTRAINDICATIONS and WARNINGS).

Used in combination with calculate/pipe (see Confinementations and instanting), General Anesthetics – Little is known about the potential for interaction between netazod general anesthetics; therefore, prior to elective surgery, netazodone hydrochloride sh discontinued for as long as clinically feasible. Other CNS-Active Drugs – The use of netazodone in combination with other CN drugs has not been systematically evaluated. Consequently, caution is advised if cont administration of netazodone and such drugs is required.

Cimetidine When netazodone (200 mg BID) and cimetidine (300 mg OID) were coadministered week, no change in the steady-state pharmacokinetics of either netazodone or cimetid observed compared to each dosed alone. Therefore, dosage adjustment is not neces either drug when coadministered. Theophylline

Mehn nefazodone (200 mg BID) was given to patients being treated with theo (600 to 1200 mg/day) for chronic obstructive pulmonary disease, there was no chang steady-state pharmacokinetics of either nefazodone or theophylline. FEV₁ measuremen when theophylline and nefazodone were coadministered din do differ from baseline docs when theophylline was administered alone). Therefore, dosage adjustment is not neces either drug when coadministered.

Cardiovascular-Active Drugs: Cardiovascular-Active Drugs: Digoxin – When netazodone (200 mg BID) and digoxin (0.2 mg DD) were coadmi for 9 days to healthy male volunteers (n = 18) who were phenotyped as CVP2De e metabolizers, Cmax, Cmin, and AUC of digoxin were increased by 29%, 27%, an respectively. Digoxin had no effects on the pharmacokinetics of netazodone and it metabolites. Because of the narrow therapeutic index of digoxin, caution should be e when netazodone and digoxin are coadministered; plasma level monitoring for di recommended recommended.

recommended. Propranolol — The coadministration of nefazodone (200 mg BID) and pro (40 mg BID) for 5.5 days to healthy male volunteers (n = 18), including 3 poor and 15 e (VP2D6 metabolizers, resulted in 30% and 14% reluctions in Gm₂₀ and AUC of prop respectively, and a 14% reduction in Gm₂₀ for the metabolitis, 4-hydroxypropranolol. The nefazodne, hydroxynefazodne, and trizader-dione were not affected by coadministi propranolol. However, Gm₂₀, Gm₂₀, and AUC of m-chlorophenylpiperazine were incre 23%, 54%, and 25%, respectively. No change in imitial dose of either drug is necessary a adjustments should be made on the basis of clinical response.

adjustments should be indued on the basis of climical response. HMG-CoA Reductase Inhibitors – When single 40 mg doese of simvastatin or atorvasta substrates of CYP3A4, were given to healthy adult volunteers who had received net hydrocholride, 200 mg BID for 6 days, approximately 20 fold increases in plasma concert of simvastatin and simvastatin acid and 3 to 4 fold increases in plasma concert atorvastatin and atorvastatin lactione were seen. These effects appear to be due to the in of CVP3A4 by nefazodone because, in the same study, nefazodone had no significant et plasma concentrations of pravastatin, which is not metabolized by CVP3A4 to a significant extent.

againcian exercit. There have been rare reports of rhabdomyolysis involving patients receiving the com of netazodone and either simvastatin or lovastatin, also a substrate of CYP2A4 (see A **REACTIONS**. Prostintonduction Clinical Experience, Rhabdomyolysis has been observed in receiving HMG-CoA reductase inhibitors administered alone (at recommended dosag in particular, for certain drugs in this class, when given in combination with inhibitor CYP2A4 (see A).

Caution should be used if nefazodone is administered in combination with HMG-CoA re inhibitors that are metabolized by CYP3A4, such as simvastatin, atorvastatin, and lovast dosage adjustments of these HMG-CoA reduces inhibitors are recommended. Since m interactions are unlikely between nefazodone and HMG-CoA reductase inhibitors ret little or no metabolism by the CVP3A4 isozyme, such as pravastatin or fluvastatin, adjustments should not be necessary.

aujustinents should not be necessary. Immunosuppressive Apents There have been reports of increased blood concentrations of cyclosporine and tar into toxic ranges when patients received these drugs concomitantly with nefazodor cyclosporine and tarcolimus are substrates of CYP3A4, and nefazodone is known to this enzyme. If either cyclosporine or tarcolimus is administered with nefazodor concentrations of the immunosuppressive agent should be monitored and dosage a accordingly.

Pharmacokinetics of Nefazodone in 'Poor Metabolizers' and Potential Interaction With Dr.

Pharmacokinetics of Netazodone in 'Poor Metabolizers' and Potential Interaction With Dr Inibiti and/or Re Metabolized by Oytochrome P450 Isozymes CYP3A4 Isozyme – Netazodone has been shown in vitro to be an inhibitor of CYP3A is consistent with the interactions observed between netazodone and triazolam, alp buspirone, atorvastatin, and simvastatin, drugs metabolized by this isozyme. Const acution is indicated in the combined use of netazodone with any drugs known to be met by CYP3A4. In particular, the combined use of netazodone with any drugs known to be met by CYP3A4. In particular, the combined use of netazodone with any drugs known to be met by CYP3A4. In particular, the combined use of netazodone with any drugs known to be cristing or primozide is contraindicated (see CONTRAINDICATIONS and WARNINGS).

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

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receive preventative treatment if you are.

- Antidepressants are medicines used to treat depression and other illnesses. It is important to discuss all the risks of treating depression and also the risks of not treating it. Patients and their families or other caregivers should discuss all treatment choices with the healthcare provider, not just the use of antidepressants.
- 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.

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