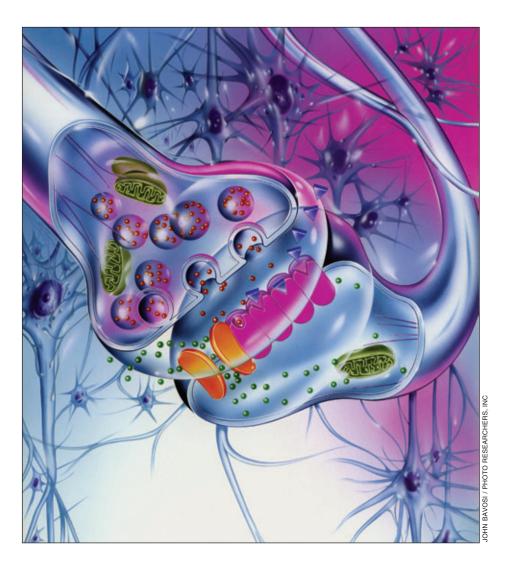


PRODUCT INFORMATION GUIDE

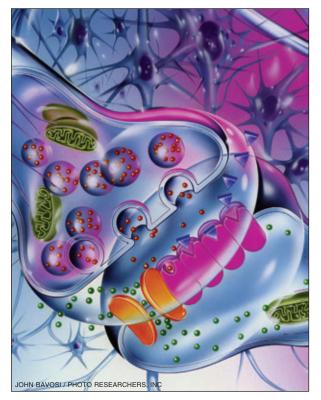


LEXAPRO® (escitalopram oxalate) in the Treatment of Major Depressive Disorder (MDD) and Generalized Anxiety Disorder (GAD)

SPECIAL ADVERTISING SECTION

This Product Information Guide is supported by a grant from Forest Pharmaceuticals, Inc.

PHG0702



LEXAPRO® (escitalopram oxalate) in the Treatment of Major Depressive Disorder (MDD) and Generalized Anxiety Disorder (GAD)

Major Depressive Disorder

Major Depressive Disorder (MDD) is a serious illness with significant morbidity and mortality risks, characterized by disabling feelings of sadness and worthlessness. The lifetime prevalence of MDD is more than 16% in the US adult population¹. The DSM-IV-TR criteria for diagnosis includes a depressed mood or loss of interest or pleasure in daily activities for at least a two-week period, representing a change from a person's normal mood. The depressive symptoms must have a negative impact on daily functioning. A patient with MDD must exhibit at least five of the following symptoms most of the day, nearly every day: depressed or irritable mood, loss of interest or pleasure in activities, sudden change in weight or appetite, sleeping difficulties, agitation, fatigue, feelings of worthlessness or inappropriate guilt, difficulty concentrating or making decisions, or frequent thoughts of death or suicide². In addition, up to 90% of depressed patients also experience symptoms of anxiety³.

Although the exact cause of MDD is unknown, researchers continue to study the biochemical basis for changes in mood by examining neurotransmitters and the neural communications they control⁴. Theories of the cause of brain-chemical imbalances center on the abnormal regulation of serotonergic (5-HT) neurotransmission. Abnormal transmission of cholinergic and catecholaminergic neurotransmitters may also be part of the puzzle, as well as biochemical abnormalities within the neuroendocrine system.

In addition to biochemical abnormalities, other pos-PHG0702 sible risk factors for the development of MDD are an increased susceptibility to develop a major depressive episode due to genetic factors and/or triggers such as a death or other significant loss^{5,6}. The importance of the role of genetics, biological factors, and environmental triggers may be different for each patient and have yet to be completely understood.

Generalized Anxiety Disorder (GAD)

Generalized Anxiety Disorder (GAD) is a chronic, debilitating condition characterized by overwhelming and uncontrollable anxiety. Lifetime prevalence of GAD in the U.S. is approximately 5%⁷. The DSM-IV-TR criteria for diagnosis includes excessive anxiety and worry for more than six months with at least three additional symptoms, including restlessness, fatigue, difficulty in concentrating, irritability, muscle tension, and impaired sleep cycle².

As in MDD, the exact cause of GAD is unclear. Researchers speculate the symptoms of GAD are a result of a combination of genetic, biochemical, and/or environmental triggers. Neurotransmitters most likely involved in anxiety-based disorders are gamma-aminobutyric acid (GABA), serotonin, dopamine, and epinephrine. Serotonin deficiencies appear to play a significant role in the etiology of anxiety as well as depression.

MDD and GAD are often coexisting conditions. If patients do not meet the criteria for a dual diagnosis, they are likely to have overlapping symptoms of depression and anxiety. As a result, serotonin reuptake inhibitors are ideal agents for the effective treatment of these patients.

LEXAPRO® (ESCITALOPRAM OXALATE)

Treatment

Current treatment for both MDD and GAD includes behavioral as well as drug therapy. In general, non-drug treatment (psychotherapy) for both MDD and GAD includes psychotherapy techniques such as cognitive-behavioral therapy and interpersonal therapy. Cognitive-behavioral therapy helps change the thinking patterns that support mood disturbances; behavioral therapy gives people choices as to how they can react to environmental triggers that produce depression or anxiety.

Drug treatment for MDD includes the use of tricyclic antidepressants (TCAs), monoamine oxidase inhibitors (MAOIs), and the newest class of antidepressants known as the serotonin reuptake inhibitors (SRIs). There are two types of SRIs: selective serotonin reuptake inhibitors, or SSRIs, including escitalopram (Lexapro), citalopram (Celexa), fluoxetine (Prozac), fluvoxamine (Luvox), paroxetine (Paxil), and sertraline (Zoloft); and selective serotonin-norepinephrine reuptake inhibitors, or SNRIs, including duloxetine (Cymbalta) and venlafaxine (Effexor). The mechanism of action of these "second generation" SRIs is not well understood. They are most likely to effect serotonin, norepinephrine or dopamine activity in the central nervous system. Serotonin reuptake inhibitors have been shown to inhibit serotonin reuptake into the presynaptic cell, resulting in increased concentrations in the synaptic cleft. The SSRI class is considered first line in the treatment of depression due to the superior safety profile of these agents compared to older compounds, although their efficacy is comparable¹. Generally speaking, the agents within in the SSRI class appear to be similar in average comparative efficacy and comparative effectiveness¹.

In addition to the use of approved SRIs, TCAs, and MAOIs, drug treatment options for GAD include the use of benzodiazepines, azapirones, and beta-blockers ¹.

Focus on Lexapro (escitalopram)

Lexapro is indicated for the treatment of major depressive disorder and generalized anxiety disorder in adult patients (age 18 years or older).

Pharmacology

Escitalopram (Lexapro), the pure S-enantiomer of the racemic compound citalopram (Celexa), is the pharmacologically active enantiomer of the racemate. In studies in rats, the R-enantiomer of citalopram has been shown to inhibit the effect of escitalopram on serotonin transport8.

Therefore, isolating the S-enantiomer produces a more potent antidepressant than that of the racemate citalopram, since the removal of the R-enantiomer removes more than merely an inactive ingredient⁹.

Pharmacokinetics

The pharmacokinetic studies of Lexapro are linear and dose-proportional in the dosage range of 10 to 20 mg/day. Biotransformation is primarily hepatic, and the terminal half-life is approximately 27-32 hours, allowing for once daily dosing. Elderly patients and those with hepatic impairment should begin with the 10 mg daily dose. No dosage adjustment is required in patients with mild to moderate renal impairment¹⁰.

Absorption is not affected by food. Binding to plasma protein is low (approximately 56%), allowing for use with highly protein-bound drugs¹².

Efficacy in Clinical Trials

In patients who met the DSM-IV-TR criteria for a diagnosis of either MDD or GAD, the safety and efficacy of a short term, eight-week course of Lexapro has been proven in multiple placebo-controlled studies, using the Montgomery-Asberg Depression Rating Scale (MADRS) to measure efficacy in MDD and the Hamilton Anxiety Scale (HAM-A) to measure efficacy in GAD¹⁰.

In general, Lexapro was well tolerated in clinical trials for safety and efficacy in both indications, MDD and GAD.

The most common adverse effects observed in the 715 patients with MDD treated with Lexapro in placebo-controlled trials were insomnia, ejaculation disorder, nausea, sweating, increased fatigue, and somnolence¹⁰.* The most common adverse effects observed in the 429 patients with GAD treated with Lexapro in placebo-controlled trials were nausea, ejaculation disorder, insomnia, fatigue, decreased libido, and anorgasmia¹⁰.*

* The incidence of these adverse effects was 5% or greater, and approximately twice that observed in the patients receiving placebo.

Comparison to Citalopram

In a meta-analysis of five clinical studies (1,545 patients) comparing the effects of citalopram with Lexapro on MADRS scores at week eight of treatment, Lexapro provided an additional treatment effect of a 1.25 point reduction on the MADRS score compared with patients

LEXAPRO® (ESCITALOPRAM OXALATE)

on citalopram¹. In one prospective head-to-head comparison trial, Lexapro 20 mg/day also led to significantly greater response and remission rates than citalopram 40 mg/day⁹.

A clinical trial by Zimbroff and colleagues studied depressed patients who were randomized to receive eight weeks of lead-in treatment with citalopram, fluoxetine, paroxetine or sertraline¹¹. Patients who were considered non-responders (MARDS >12) at the end of eight weeks (N=139) were then treated with open label Lexapro therapy (10-20 mg/day) for an additional eight weeks. Of the 136 patients who were evaluated for efficacy in this second phase of the trial, 80% completed the eight week treatment with Lexapro. Remission rates (defined as MADRS total score ≤ 10) were substantial, achieved by 56% of those patients switched from sertraline, 38% of those switched from fluoxetine, 37% of those switched from citalogram, and 34% of those switched from paroxetine. The authors concluded that a rapid switch to Lexapro 10-20 mg/day may improve the symptoms of depression among patients who did not respond to an initial trial of another SSRI¹¹.

Contraindications, Warnings, and Precautions.

Due to reports of serious, even fatal reactions in patients taking serotonin reuptake inhibitor drugs in combination with a monoamine oxidase inhibitor, Lexapro is contraindicated in patients taking MAOIs. Serotonin reuptake inhibitors, including Lexapro, should be used with caution in patients taking tricyclic antidepressants. Serotonin reuptake inhibitors also cause an increase risk of bleeding when used with NSAIDs, aspirin, or other drugs that affect coagulation. When discontinu-

ing serotonin reuptake inhibitor drugs, it is advised that patients be monitored for adverse symptoms. Whenever possible, the dose of these agents should be gradually reduced¹⁰.

Drug Interactions

Pharmacokinetic studies of the metabolism of Lexapro and its metabolites have shown these are unlikely to have significant inhibitory effects on the human cytochrome P450 enzyme system. As a result, there is little likelihood of clinically significant interactions between Lexapro and other drugs in humans on the basis of inhibition of this enzymatic system¹².

Conclusion

Both MDD and GAD are serious psychiatric illnesses that carry significant morbidity and even mortality risk if left untreated. The biochemical, genetic, and environmental basis for these disorders is still not completely understood. The newest class of antidepressants, known as selective serotonin inhibitors, along with the use of modern psychotherapy techniques, has proven both safe and effective therapy in controlling these conditions and allowing patients to regain significant relief from their often debilitating symptoms. Lexapro (escitalopram), a new addition to the selective serotonin armamentarium, has proven to be an effective tool in the comprehensive treatment of patients with the diagnosis of MDD or GAD.

It is important to note there is no generic substitute for Lexapro (escitalopram). Also, pharmacists should be aware that *escitalopram and citalopram are not interchangeable*. **I**

References

- 1. Agency for Healthcare Research and Quality. Comparative effectiveness of second-generation antidepressants in the pharmacologic treatment of adult depression. www.effectivehealthcare.ahrq./gov/reports/final.cfm. Accessed August 24, 2007.
- American Psychiatric Association: Diagnostic and Statistical Manual of Mental Disorders, 4th Ed., Text Revision. Washington, DC: American Psychiatric Association, 2000.
- 3. Sadock BJ, Sadock VA. Kaplan and Sadock's Synopsis of Psychiatry: Behavioral Sciences/Clinical Psychiatry. 9th ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2005:552.
- 4. Soares JC, Mann JJ. The functional neuroanatomy of mood disorders. *J Psych Res* 1997;31:393-432.
- 5. National Institute of Mental Health Genetics Workgroup. Genetics and mental disorders. NIH Publication No. 98-4268. Rockville, MD: National Institute of Mental Health, 1998.
- Mazure CM, Bruce ML, Maciejewski PW, et al. Adverse life events and cognitive personality characteristics in the prediction of major depression and antidepressant response. *Amer J Psychiatry* 2000; 157:896-903.
- 7. Kessler RC, McGonagle KA, Zhao S, et al. Lifetime and 12-month prevalence of DSM-III-R psychiatric disorders in the United States: Results from the National Comorbidity Survey. Arch Gen Psychiatry 51:8-19. 8. Mork A, Kreilgaard M, Sanchez C. The R-enantiomer of citalopram counteracts escitalopram-induced increase in extracellular 5-HT in the frontal cortex of freely moving rats. *Neuropharmacology* 2003; 45:167-173. 9. Moore N, Verdoux H, and Fantio B. Prospective, multicentre, randomized, double-blind study of the efficacy of escitalopram versus citalopram in outpatient treatment of major depressive disorder. *Int Clin Psychopharm* 2005;20:131-137.
- 10. Lexapro [package insert]. St. Louis, MO: Forest Pharmaceuticals, Inc.; 2007.
- 11. Zimbroff DL, Bose A, and Dayong L. Escitalopram treatment of SSRI non-responders can lead to remission in patients who fail initial SSRI therapy. Presented at the American Psychiatric Association 157th Annual Meeting, May 1-6, 2004, New York, NY, USA.
- 12. Greenblatt DJ, von Moltke ll, Hesse LM, et al. The S-enantiomer of citalopram: cytochromes P450 mediating metabolism and cytochrome inhibitory effects. Presented at the Society of Biological Psychiatry Annual Meeting, May 3-5, 2001, New Orleans, LA, USA.

PATIENT INFORMATION AID: DEPRESSION AND GENERALIZED ANXIETY DISORDER

epression is a chronic illness much like diabetes or heart disease. It is not just feeling "blue" or sad for a few days. Approximately 19 million adults in America suffer from major depressive disorder (MDD), a depression that lasts for long periods of time. Common symptoms of this type of depression include a lack of interest in everyday activities, little interest in social interaction, poor concentration, chronic fatigue, difficulty sleeping, and changes in appetite.

Causes of Depression

Depression is caused by a lack of a chemical in the brain known as serotonin. Serotonin is an important chemical in regulating mood. The cause or causes of this chemical imbalance are not always clear. Sometimes there is a family history of depression, or a traumatic event occurred that triggered the depression and the symptoms never went away. For some people, depression began with the use of a medication, a change in hormone levels, or abuse of a drug. In some people, there is no apparent reason for their depression.

Treatment Options

There are two types of treatment for depression: psychotherapy and antidepressant medications. Psychotherapy, or behavioral counseling, helps people learn about their depression, how to cope with the symptoms by making changes in their behavior. Antidepressant medications work by cor-

recting the chemical imbalance in the brain that causes the depression. The antidepressants most prescribed are serotonin reuptake inhibitors (SRIs) (which include the selective serotonin reuptake inhibitors or SSRIs, and the selective serotonin-norepinephrine reuptake inhibitors or SNRIs, tricyclic antidepressants (TCAs), and monoamine oxidase inhibitors (MAOIs). The SSRIs, including Lexapro, work by increasing the amount of serotonin in the brain.

Understanding Generalized Anxiety Disorder (GAD)

Generalized anxiety disorder is also a chronic illness much like major depressive disorder. It, too, should be diagnosed and treated by a doctor or qualified health care professional. Approximately four million Americans suffer from this type of anxiety. GAD slowly develops over a period of time, often first occurring during the childhood or teenage years. Common symptoms of GAD include constant worry that interferes with the normal activities of daily life, causing poor concentration, restlessness, problems sleeping, and irritability. Physical symptoms of GAD can include stomach problems, headache, muscle aches, and fatigue. The worry and anxiety that patients with GAD experience is often overwhelming. Although they may understand their worries are not ordinary or realistic, patients who suffer from GAD cannot control these feelings.

Causes of GAD

Although the exact cause of GAD is not clear for each patient, researchers believe it is the result

What Should I Tell My Healthcare Professional or Doctor?

When you first visit your doctor or healthcare professional, be prepared to give a history of your symptoms, how long they have been going on, and how serious they have been. Bring a list of your prescription medications, as well as the names of any over-the-counter medicines, vitamins, or other supplements you are taking.

Be ready to ask about your treatment options. Your doctor should explain both counseling and drug treatments. Ask about any medications that are prescribed for you, including how they work and their side effects. During follow-up visits, tell your doctor honestly how you are feeling, how you think your treatment has been going, if you are taking your medication regularly, and if you've had any side effects from your medication.

PATIENT INFORMATION AID: DEPRESSION AND GENERALIZED ANXIETY DISORDER

of a chemical imbalance in the brain between serotonin and dopamine. These brain chemicals regulate mood and behavior. It is not surprising that people with GAD may also suffer from depression and/or other anxiety disorders. GAD may be more likely in people with a family history of anxiety disorders or in those who have experienced a major traumatic event.

Treatment Options

Treatment of GAD includes psychotherapy and antianxiety medications. Psychotherapy, or behavioral counseling, teaches patients about their anxiety and how to lessen their symptoms by using techniques such as relaxation therapy. Antianxiety medi-

cations work by correcting the imbalance of chemicals in the brain that cause the excessive anxiety of GAD. There are several types of antianxiety medications, including benzodiazepines, azaspirones, beta-blockers, tricyclic antidepressants (TCAs), monoamine oxidase inhibitors (MAOIs), and serotonin reuptake inhibitors (SRIs). There are 2 types of SRIs: selective serotonin reuptake inhibitors (SSRIs) such as Lexapro, and selective serotoninnorepinephrine reuptake inhibitors (SNRIs). The serotonin reuptake inhibitors work by correcting the imbalance of brain chemicals that are likely responsible for both feelings of depression and anxiety.

Depression and Anxiety Often Occur at the Same Time

Many people who suffer from serious depression also have symptoms of anxiety, although they may not have a diagnosis of GAD. It is common for people with GAD to also suffer from major depressive disorder, or simply show some symptoms of depression. Several medications used for either depression or GAD, including Lexapro, are effective in treating patients with both conditions. Since the symptoms of depression and anxiety overlap, it is important for patients to be properly diagnosed before starting treatment.

COUNSELING CORNER

The following series of questions and answers serves as a patient education aid to assist health care professionals in counseling patients who may require LEXAPRO® (escitalopram oxalate).

Q: What is Lexapro and how does it work?

A: Lexapro is a prescription medicine for the treatment of depression and generalized anxiety disorder (GAD) in adults. It is one of a family of medicines known as selective serotonin reuptake inhibitors, or SSRIs. Lexapro® (escitalopram) was developed by isolating the active component of Celexa® (citalopram), a molecule known as an isomer. Depression and GAD can be caused by an imbalance of certain chemicals in the brain. Lexapro helps to restore the brain's chemical balance by increasing the supply of serotonin, a substance in the brain believed to influence mood.

Q: How and when should I take Lexapro?

A: Lexapro should be taken once every day, at approximately the same time. It may be taken with or without food, in the morning or evening.

Q: What should I do if I miss a dose?

A: If you forget to take a dose of Lexapro, take the missed dose that same day as soon as you remember; then call your healthcare professional for more information. The next day, resume according to your regular dosing schedule. It is not recommended to double a dose the next day after you missed a dose the day before. If you have more questions about dosing, please talk to your healthcare professional.

Q: When will I start feeling better?

A: Many patients treated with Lexapro begun to feel better within a week or two, although the full effect may take 4 to 6 weeks.

Q: Once I feel better, can I stop taking Lexapro?

A: No, you should take your medication for as long as your healthcare professional advises, even if you start feeling better; otherwise your symptoms could return.

Q: Can I drink alcoholic beverages while taking Lexapro?

A: As with many other medications, you should avoid drinking alcoholic beverages while being treated with Lexapro.

Q: Should I watch for side effects from Lexapro?

A: Most people do not have significant side effects with Lexapro, and these often go away with continued treatment. The most commonly reported side effects of Lexapro are nausea, insomnia, problems with ejaculation, sleepiness, increased sweating, fatigue, decreased interest in sex, and lack of orgasm. These side effects usually do not cause patients to stop taking Lexapro.

Q: Can I use Lexapro if I am pregnant or breast feeding?

A: If you become pregnant or intend to become pregnant while taking Lexapro, talk to your doctor. There have been no studies done to confirm that Lexapro is safe to use in pregnant women. Therefore, Lexapro should be used during pregnancy only if the potential benefit justifies the potential risk to the unborn child. Patients should tell their doctor if they are breast feeding an infant. Lexapro, like many other medications, is excreted in breast milk. Therefore, the doctor and patient must decide whether to continue or discontinue either nursing or Lexapro therapy. The decision to continue Lexapro therapy should take into account the risks for the infant and the benefits of Lexapro treatment for the mother.

Q: Can I take Lexapro with other medicines?

A: Generally, Lexapro is not likely to interact with other medications. One important exception is with antidepressants called monoamine oxidase inhibitors (MAOIs). Lexapro and MAOIs should not be taken together or within 14 days of each other. Like other SSRI medications, caution is indicated when taking Lexapro with tricyclic antidepressants (TCAs).

As with other psychotropic drugs that interfere with serotonin reuptake, patients should be cautioned regarding the risk of bleeding associated with the concomitant use of Lexapro with nonsteroidal anti-inflammatory drugs (NSAIDs), aspirin, or other drugs that affect coagulation. Before you begin taking Lexapro, make sure to tell your healthcare professional if you are taking any other medications, including over-the-counter medicines, vitamins, herbal remedies, or other supplements.

IMPORTANT SAFETY INFORMATION

epression and certain other psychiatric disorders are themselves associated with increases in the risk of suicide. Antidepressants increased the risk of suicidality (suicidal thinking and behavior) in children, adolescents, and young adults in short term studies of major depressive disorder (MDD) and other psychiatric disorders. Anyone considering the use of antidepressant therapy should be closely monitored and observed for clinical worsening, suicidality or unusual changes in behavior, especially at the beginning of therapy or at the time of dose changes. This risk may persist until significant remission occurs. Families and caregivers should be advised of the need for close observation and communication with the prescriber. Lexapro is not approved for use in pediatric patients.

Lexapro is contraindicated in patients taking monoamine oxidase inhibitors (MAOIs), pimozide (see prescribing information section on DRUG INTERACTIONS – Pimozide and Celexa), or in patients with hypersensitivity to escitalopram oxalate. As with other SSRIs, caution is indicated in the coadministration of tricyclic antidepressants (TCAs) with Lexapro. As with other psychotropic drugs that interfere with serotonin reuptake, patients should be cautioned regarding the risk of bleeding associated with the concomitant use of Lexapro with NSAIDs, aspirin, or other drugs that affect coagulation. The most common adverse events with Lexapro versus placebo (approximately 6% or greater and approximately 2x placebo) were nausea, insomnia, ejaculation disorder, somnolence, increased sweating, fatigue, decreased libido, and anorgasmia.

RESOURCES ON MAJOR DEPRESSIVE DISORDER (MDD) AND GENERALIZED ANXIETY DISORDER (GAD)

Mental Health America (formerly the National Mental Health Association)

2000 N. Beauregard Street, 6th Floor Alexandria, VA 22311 Phone (703) 684-7722 Toll free (800) 969-6642 TTY Line (800) 433-5959 http://www.nmha.org

American Psychological Association (APA)

750 First Street, NE
Washington, DC 20002-4242
Phone (202) 336-5500
Toll free (800) 374-2721
TDD/TTY Line (202) 336-6123
http://www.apa.org

American Foundation for Suicide Prevention

120 Wall Street, 22nd Floor New York, NY 10005 Phone (212) 363-3500 Toll-free: (888) 333-AFSP http://www.afsp.org

Families for Depression Awareness

395 Totten Pond Road, Suite 404 Waltham, MA 02451 **Phone** (781) 890-0220 http://familyaware.org

LEXAPRO® (escitalopram oxalate) TABLETS/ORAL SOLUTION

Rx Only

EXAPRO® (escitalopram oxalate) TABLETS/ORAL SOLUTION

Bret Summary: For complete details, please see full prescribing information for Leapre.

Suicidality and Antidepressant Drags Antidepressants increased the risk compared to placebo of suicidal thinking and behavior (suicidality) in children, addisecents, and young adults in such rem Sudies of major depresses disorder (MDD) and other psychiatric disorders. Anyone considering the use of Leapror or any other antidepressant and compared to placebo in adults beyond age 24; there was a reduction in risk with maltegressants compared to placebo in adults beyond age 24; there was a reduction in risk with maltegressants compared to placebo in adults beyond age 24; there was a reduction in risk with maltegressant to adults placebo in adults spend 62 and other. Depression and certain other psychiatric disorders are themselves associated with increases in the risk of suicidality, or unusual changes in behavior. Families and caregivers should be advised of the need for close observation and communication with the prescriber. Leapron is not approved for use in pediatric patients. (See WARHINGS. Clinical Worsening and Suicide Risk, PRECAUTIONS. Intornation for Patients, and PRECAUTIONS. Pediatric Use)

CONTRAINLOGATIONS Concomitant use in patients taking monoratine oxidase inhibitors (MADIO §) is contraindicated (see Brug Interactions — Pinnoide and Celera). Leapro is contraindicated in patients with a hypersensitivity to escilatorist videous propers of the contraindicated (see WARHINGS.) Concinent use in patients taking primoxide is contraindicated (see WARHINGS.) Concinent use in patients taking primoxide is contraindicated (see Brug Interactions — Pinnoide and Celera). Leapron is contraindicated in patients with a hypersensitivity to escilators of the contraindicated (see WaRHINGS.) Concinents use in patients taking minorate the patients with a hypersensitivity to escilators of the contrained to the present and the patients of the contrained to the present of the patient Treated: furreases Compared to Placebo: 48 (14 additional cases); 18-24 (5 additional cases); 10 excesses Compared to Placebo: 25-64 (1 fewer case); 46 is disclosed courself an any of the pediatior trisis. There were suicidis in the adult trisis, but the multi-was not sufficient to reach any consistent of the pediatior trisis. The reaching the adult trisis, but the number was not sufficient to reach any consistent of the pediation of the pediation from the control of the pediation for the pedi bined use of SSRs and MADIs suggest that these drugs may act synergistically to elevate blood pressure and evoke behavioral excitation. Therefore, it is recommended that Leapon should not be used in combination with an MADI. Similar 14 days of discontinuing treatment with an MADI. Similar leaves the commended that Leapon should not be used in combination with an MADI. Sention in syndrome has been reported in two patients who were concomitantly receiving linearing, an antibilation which is a reversible non-selective MADI. Servation syndrome has been reported in two patients who were concomitantly receiving linearing, an antibilation which is a reversible non-selective MADI. Servation syndrome some many control in patients who were concomitantly receiving linearing, and the drugs which impair metablems of sections (including MADIs, Servation) syndrome syndrome reports and present section of servation in clinical patients. Servation is syndrome syndrome reports and the servation of the patient is servation in syndrome to the servation of the patient is advised, particularly during treatment intention and does not contamidated (see CONTRANIDICATIONS and WARNINGS Potential for interaction with Managina which impair metable interaction with Managina which impair metable interaction with Managina which impair the servation syndrome servation syndrome servations and the patient is advised, particularly during treatment intention and does not encases (see PRECAUTIONS - Drug Interactions). The concomitant treatment of Leapon with a 5-high confidence of the patient is advised, particularly during treatment intention and does not propose interactions. PrecAUTIONS - Drug Interactions, PrecAUTIONS - D regarding the risk of bleeding associated with the concomitant use of beargon with NSAIDs, sophin, or other drugs that affect coagulation. The properties a class of hyporaterian and SADH syndrome of inappropriate antidiureto hormone secretion) have been reported in association with Lexapon treatment. All patients with the events have recovered with discontinuation of eschalation and and/or medical interviention. Hyporaterian and SADH have show been reported in association with the events have recovered with discontinuation of eschalation and and/or medical interviention. Hyporaterian and SADH have above been reported in association with other marketed drugs effective in the treatment of major depressive disorder, Activation of maniahyporania has been reported in association with Lexapon tearment. Activation of maniahyporania has been reported in association with Lexapon tearment. Activation of maniahyporania has been reported in association with Lexapon tearment. Activation of maniahyporania has been reported in association with Lexapon tearment. Activation of maniahyporania has been reported in association with Lexapon tearment. Activation of maniahyporania has also been reported in a small proportion of patients with a situation of of patients wit ing testing, in subjects with hepatic impairment, clearance of acemic chilopram was decreased and plasma concentrations were increased. The recommended dose of Leapro in hepatically impaired patients is to 10 mg/dy (see DouGRE AND ADMINISTATION)). Because establiopram is extensively impaired patients is 10 mg/dy (see DouGRE AND ADMINISTATION)). Because establiopram is extensively impaired patients of under the consideration of the patients in the consideration of the patients in the patients for whom they prescribe Leapro. Patients should be cautioned about the risk of servicinis syndrome with the concommant use of Leapro and pipels, translated or other sectorateries question. In such patients, leapro 10 mg/dy do not impair psychomotor performance. The edit Leapro on psychomotor coordination, judipment or thinking has not been systematically examined in controlled studies. Because psychoactive drugs may impair judipment, training, or motor solid, patients should be cautioned about that, although Leapro to the section of the cautioned about the cautioned about the cautioned about the pages to the section of the section of a cautioned about that, although Leapro to so not been shown in experiments with normal subjects to increase the mental and motor solid impairments caused by adoutol, the conominant use of Leapro and alcohol in depressed patients is not advised. Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, as there is a potential for interactions. Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, as there is a potential for interactions. Patients should be advised to inform their physician if they are taking, or plan to take, any prescription or over-the-counter drugs, as there is a potential for interactions. Patients should be advised to be become preparal or intend to become preparal or united to become preparal during therapy. Patients s adathisis (psychomotor redisessess), hypomania, mania, other unusual changes in behavior, worsening of depression, and suicidal ideation, especially early during depressant naturation and when the does adjusted up or down. Families and carepieves of patients should be advised to look for the emergence of such symptoms on a day-to-day basis, since changes may be abrupt. Such symptoms should be reported to the patient's prescriber or health professional, especially if they are severe, abrupt in onset, or were not part of the patient's presenting symptoms. Symptoms such as these may be associated with an increased risk for suicidal thinking behavior and indicate a need for very close monitoring and possibly changes in the medication. Laboratory Tests There are no specific behaviory tests recommended. Cancomitant Administration with Racemic Citalogram Clalogram - Since escialogram is the active isomer of racemic citalogram (Clabe), the two agents should not be coadministered on Tong Interactions Scrottoning Organic Tests of the resolution of a soft should be a soft should be a soft should not be a soft should be a soft should be a soft should not be a soft should b

Inclinarly during treatment initiation and dose increases (see WARNINGS - Serotonin Syndrome). CNS Drugs - Given the primary CNS effects of escitalopram, cartion should be used when it is taken in combination with other centrally acting drugs. Alcohol - Although Leapro did not potentiate the cognitive and motor effects of alcohol in a clinical trial, as with other sport-protropic medications, the use of alcohol by patients taking Leapro is not recommended. Moroamine Dotdaes inhibitors (MAIOs). See CONTRANIOCATIONS and WARNINGS. Drugs That Interfere With Hemostasis (MSAIOs, Aspirin, Werfarin, et.). Sentonin relaxes by platieits plays an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstated an association between use of psychotropic drugs that interfere with hemostasis (MSAIOs, Aspirin, Werfarin, et.). Sentonin relaxes by the complex of the case-control and cohort design that have demonstated an association between use of psychotropic drugs that interfere with sentonin requirements and adout the use of such drugs concurrently with Leapro. Cimetition is used in NSAIO and on both and received 21 days of 40 mylday received 21 days of ticularly during treatment initiation and dose increases (see WARNINGS - Serotonin Syndrome). CNS Drugs - Given the primary CNS effects of escitalopram, caution should be used when it is taken in combination with other centrally acting drugs. Alcohol - Although Lexapro did not potentiate the cognitive and motor effects of alco Administration of 20 mg/dgs/ Lexapro for 21 days in healthy volunteers resulted in a 50% increase in Ca_{ma} and 82% norease in ALD of the bedin-distration of Lexapro and restoproid (given in a single does of 10 mg/), increased methoryol (pixen lawels have been associated with decreased cardiosolechivily, Coadministration of Lexapro and metoproid) had no clinically significant effects on blood pressure or heart rate. Electrocomositive Therapy (ECT) - There are no clinical studies of the combined and net promised presenting configurations. A commission of the combined and restoration of the restoration of agenit clases. In the or at embryolited development studies, or all administration of accenic chalogram (32, 56, or 112 myligiday) to pregnant aims during the period of organogenesis resulted in decreased embryoleted prowin and survival and an increased inderior of letal adnormalities (including cardiovascular and seletants) and the properties of the period of organogenesis resulted in decreased embryoleted prowin and survival and an increased inderior of letal adnormalities (including cardiovascular and seletants) and the properties of the properties and an increased inderiors of letal adnormalities (including cardiovascular and seletants) and the properties of the properties and associated with material boxing (includin signs, decreased body weight gain). The developmental in-orfect does was 55 multiplicity, on adverse effects on embryolfetal development were observed at doese of racemic chalopram of up to 16 myligiday. Thus, be tedopenic decreased on the properties of racemic chalopram (48, 128, or 32 myligiday) from the gestation through wearing, increased offspring mortally during the first 4 days after birth and person citation provides of the properties of exposed to antidepressants during pregnancy. Here is currently no cornoborative evidence regarding the risk not yell-NH following exposure to SSHs in pregnancy is the first study if the Issue should be employed as with the pressure to individual SSHs to determine if all SSHs posed similar levels of PPHH risk. When treating a pregnant woman with Leappro during the third timester, the physician should carefully consider both the potential risk is the study of not include the time in present beninghiated study of 201 women with a history of major depression who were euthymic at the beginning of pregnancy, women with discontinued antidepressant medicino during pregnancy were more likely to experience a relapse of major depression who were euthymic at the beginning of pregnancy, women who discontinued antidepressant medicinon during pregnancy were more likely to experience a relapse of major depression who were euthymic at the beginning of pregnancy, women who discontinued antidepressant medicinon. Labor and Delivery The effect of Leappro on biotra didney in humans is unknown. Nursing Mothers Racemic chalogram, like many other drugs, is excreted in human breast milk. There have been two reports of infants experience accessive someolones, decreased feedings, and weight toos is association with breastedering from a collapon-mateated morther; in one case, the infant was reported to recover completely upon discontinuación of citalogram by its mother and, in the second case, no follow-up information was available. The decision whether to continue or discontinue either nursing or Leappor therapy should take into account the risks of chalogram exposure for the infant and the benefits of Leappor breathment for mother. Pediatric Use Safely and effectiveness in the pediatric population have not been established (see BOX WARNINGS—Chilleral Womening and Suicide Risk). One placebo-controlled train in 254 pediatric partients with MDD has been conducted with Leappo, and the data were not sufficient Use Approximately 95% of the 114 715 patients with major depressive disorder who we're exposed to escitalopram and from 592 patients with major depressive disorder who we're exposed to escitalopram and from 592 patients who were exposed to placebo in double-blind, placebo-controlled trials. An additional 284 patients with major depressive disorder were newly exposed to escitalopram in open-label trials. The adverse event information for Lexapro in This is a major of preserved by the control of the are those occurring in 2% or more of patients treated with Leagon and for which the incidence in patients treated with Leagon was greater than the incidence in patients. The prescriber should be aware that these figures cannot be used to predict the incidence of adverse events in the course of usual medical practice where patient characteristics and other factors differ from those which prevailed in the clinical trials. Smillarly, the clied frequencies cannot be compared with figures obtained from other clinical investigations involving different treatments, uses, and investigations. The clied figures, however, do provide the prescribing physician with some basis for estimating the relative contribution of drug and moneturg factors to the adverse event incidence as in the population studied. The most commonly observed adverse events in Leagon patients (incidence of approximately 9% or greater and approximately trick the incidence in the propriation studied. The most incidence of approximately 9% or greater and approximately trick the incidence in placebo patients; incidence in Placebo-Controlled Clinical Trials for Major Depressive Disorder: [Leagon (N=715) and Placebo (N=522)]. Autonomic Nervous System Disorders: Demonstrate: Nothout (%) and 4% (%). Event (%) and 4% (%). Population (%) and 4% (%). Appetible Coreased of 3% and 1%). Respiratory System Disorders: Rhinitis (5% and 4%). Sinusitis (3% and 2%). Urogenital: Equalision Disorder 1 (9% and <1%); Importance (%).

LEXAPRO® (escitalopram oxalate) TABLETS/ORAL SOLUTION

(3% and <1%); Anorgasmiar (2% and <1%). Events reported by at least 2% of patients treated with Lexapro are reported, except for the following events which had an incidence on placebre > Lexapro: headache, upper respiratory tract infection, back pain, placyngitis, initified injuny, anxiety. Primarily ejecutatory delay -70-ponniator used uses for males only (H=2/5 Lexapro: H=36 placebre). Demonitarior used uses for males only (H=6/50 Lexapro: H=6/6 placebre). Generalized Final Events in Carlo (H=6/6 placebre). Generalized Final Events included are those occurring in 2% or more of patients treated with Lexapro and for which the incidence in patients treated with Lexapro was greater than the incidence in patients. The most commonly observed adverse events in Lexapro such surfaced according to the common of patients treated with Lexapro and for which the incidence of approximated with Lexapro was greater than the incidence of approximated with Lexapro was greater than the incidence of approximated with Lexapro was greater than the incidence of approximate of the patients of treated with Leagnor was greater than the incidence in placebo-treated patients. The most commonly observed adverse events in Leagno patients [incidence of approximately 5% or greater and approximately brick the incidence in placebo patients) were nause, application disorder (primarily epicalation) delay incincia, fatigue, decreased libidio, and anorganoisis (see TABLE 3). TABLE 3: Treatment-Emergent Adverser Events: Incidence in Placebo-Chortolled Clinical Trials for Generalized Anxiety Disorders' [Lezapro (N-429) and Pfacebo (N-427)). Autonomic Nervous System Disorders: Debutories: Placabotic (N-427) and 1% (N-4 back pain, upper respiratory tract infection, finities, phanygitis. Primarily glaculatory delay, "Denominator used was for males only (IN-182 Lexapor, K-195 placebo), Jenominator used was for males only (IN-182 Lexapor, K-195 placebo). Jenominator used was for males only (IN-182 Lexapor, K-195 placebo), Jenominator used was for males only (IN-182 Lexapor (IN-182 placebo), Jenominator used was for males only (IN-182 Lexapor (IN-182 placebo), Jenominator (IN-182 placebo), Jenominator

LEXAPRO® (escitalopram oxalate) TABLETS/ORAL SOLUTION

LEXAPRO® (escitalopram oxalate) TABLETS/ORAL SOLUTION

ous serum chemistry, hematology, and urinalysis variables, and (2) the incidence of patients meeting criteria for potentially clinically significant changes from baseline in these variables. These analyses revealed no clinically important changes in laboratory test parameters associated with Leapro treatment. ECC Changes Electrocardiograms from Leapro (Ne-625), accessment citalopram (Ne-625), and placebo (Ne-627) groups were compared with respect to (1) mean change from baseline in the machine of the indicate of patients meeting criteria for potentially clinically significant changes from baseline in the machine of the indicate of patients meeting criteria for potentially clinically significant changes from baseline in the machine in various ECG patients and the properties of the compared to 5 mes for patient leaves from baseline in the salt changes in 10° internal of 35 mes for Leapron and 3.7 mes for reasonic citalopram, compared to 5 mes for for patient. Leapron or caemic citalopram, compared to 5 mes for for patient Leapron or caemic citalopram compared to 5 mes for patient Leapron or caemic citalopram compared to 5 mes for patient Leapron or caemic citalopram compared to 5 mes for patient Leapron or caemic citalopram compared to 5 mes for patient Leapron for caemic citalopram compared to 5 mes for patient Leapron for caemic citalopram compared to 5 mes for patient Leapron for caemic citalopram compared to 5 mes for patient Leapron for the compared and the compared to 5 mes for the compared to 5 mes for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron for the compared to 5 mes for patient Leapron fo

NOTES

PHG0702REV Lexa 11_19hcsc 2/12/08 1:56 PM Page 12

This Product Information Guide is supported by a grant from Forest Pharmaceuticals, Inc.