

**HIGHLIGHTS OF PRESCRIBING INFORMATION**

These highlights do not include all the information needed to use ESCITALOPRAM TABLETS safely and effectively. See full prescribing information for ESCITALOPRAM TABLETS.

**ESCITALOPRAM tablets, for oral use**

Initial U.S. Approval: 2002

**WARNING: SUICIDAL THOUGHTS AND BEHAVIORS**

See full prescribing information for complete boxed warning.

**Increased risk of suicidal thoughts and behavior in pediatric and young adult patients taking antidepressants. Closely monitor all antidepressant-treated patients for clinical worsening and emergence of suicidal thoughts and behaviors (5.1). Escitalopram tablets are not approved for use in pediatric patients less than 12 years of age (8.4).**

**—RECENT MAJOR CHANGES—**

Boxed Warning	8/2020
Dosage and Administration (2, 3)	8/2020
Warnings and Precautions (5.1, 5.5)	8/2020

**—INDICATIONS AND USAGE—**

Escitalopram tablets are selective serotonin reuptake inhibitor (SSRI) indicated for:

- Acute and Maintenance Treatment of Major Depressive Disorder (MDD) in adults and adolescents aged 12-17 years (1.1)
- Acute Treatment of Generalized Anxiety Disorder (GAD) in adults (1.2)

**—DOSAGE AND ADMINISTRATION—**

Escitalopram tablets should generally be administered once daily, morning or evening with or without food (2.1, 2.2).

Indication	Recommended Dose
MDD in Adolescents (2.1)	Initial: 10 mg once daily Recommended: 10 mg once daily Maximum: 20 mg once daily
MDD in Adults (2.1)	Initial: 10 mg once daily Recommended: 10 mg once daily Maximum: 20 mg once daily
GAD in Adults (2.2)	Initial: 10 mg once daily Recommended: 10 mg once daily

- No additional benefits seen at 20 mg/day dose (2.1).
- 10 mg/day is the recommended dose for most elderly patients and patients with hepatic impairment (2.3).
- No dosage adjustment for patients with mild or moderate renal impairment. Use caution in patients with severe renal impairment (2.3).
- Discontinuation of Escitalopram Tablets: A gradual dose reduction is recommended (2.4).

**—DOSAGE FORMS AND STRENGTHS—**

- Tablets: 5 mg, 10 mg (scored) and 20 mg (scored) (3.1)

**—CONTRAINDICATIONS—**

- Serotonin Syndrome and MAOIs: Do not use MAOIs intended to treat psychiatric disorders with escitalopram or

within 14 days of stopping treatment with escitalopram. Do not start escitalopram within 14 days of stopping an MAOI intended to treat psychiatric disorders. In addition, do not start escitalopram in a patient who is being treated with

- linezolid or intravenous methylene blue (4.1).
- Pimozide: Do not use concomitantly (4.2).
- Known hypersensitivity to escitalopram or citalopram or any of the inactive ingredients (4.3).

**—WARNINGS AND PRECAUTIONS—**

- Serotonin Syndrome: Serotonin syndrome has been reported with SSRIs and SNRIs, including escitalopram, both when taken alone, but especially when co-administered with other serotonergic agents (including triptans, tricyclic antidepressants, fenfluramine, lithium, tramadol, tryptophan, buspirone, amphetamines, and St. John's Wort). If such symptoms occur, discontinue escitalopram and initiate supportive treatment. If concomitant use of escitalopram with other serotonergic drugs is clinically warranted, patients should be made aware of a potential increased risk for serotonin syndrome (serotonergic toxicity).
- Discontinuation of Treatment with Escitalopram: A gradual reduction in dose rather than abrupt cessation is recommended whenever possible (5.3).
- Seizures: Prescribe with care in patients with a history of seizures (5.4).
- Activation of Mania/Hypomania: Screen patients for bipolar disorder. (5.5).
- Hypotension: Can occur in association with SIAHD (5.6).
- Abnormal Bleeding: Use caution in patients with NSAIDs, aspirin, warfarin or other drugs that affect coagulation (5.7).
- Interference with Cognitive and Motor Performance: Use caution when operating machinery (5.8).
- Angle Closure Glaucoma: Angle closure glaucoma has occurred in patients with untreated anatomically narrow angles treated with antidepressants. (5.9)
- Use in Patients with Concomitant Illness: Use caution in patients with diseases or conditions that produce altered metabolism or hemodynamic responses (5.10).

**—ADVERSE REACTIONS—**

Most commonly observed adverse reactions (incidence ≥ 2% and at least twice the incidence of placebo patients) are: insomnia, ejaculation disorder (primarily ejaculatory delay), nausea, sweating increased, fatigue and somnolence, decreased libido, and anorgasmia (6.1).

To report SUSPECTED ADVERSE REACTIONS, contact Jubilant Cadista Pharmaceuticals Inc. at 1-800-313-4623, or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

**—DRUG INTERACTIONS—**

Concomitant use with SSRIs, SNRIs or Tryptophan is not recommended (7.2). Use caution when concomitant use with drugs that affect Hemostasis (NSAIDs, Aspirin, Warfarin) (7.6).

**—USE IN SPECIFIC POPULATIONS—**

Pregnancy: SSRI use, particularly later in pregnancy, may increase the risk for persistent pulmonary hypertension and symptoms of poor adaptation (respiratory distress, temperature instability, feeding difficulties, hypotonia, tremor, irritability) in the neonate. (8.1).

**See full PATIENT COUNSELING INFORMATION and Medication Guide.**

Revised: 11/2020

7.7	Cimetidine
7.8	Dipiron
7.9	Lithium
7.10	Fluoxetine and Cefepim
7.11	Sumatriptan
7.12	Theophylline
7.13	Warfarin
7.14	Carbamazepine
7.15	Triazolam
7.16	Ketconazole
7.17	Ritonavir
7.18	CY384 and -2C19 inhibitors
7.19	Drugs Metabolized by Cytochrome P4502D6
7.20	Metoprolol
8.1	Electroconvulsive Therapy (ECT)
8.2	Lactation
8.3	Pediatric Use
8.4	Genetic Use
9.1	Pregnancy
9.2	Abuse and Dependence
10.1	OVERDOSAGE
10.2	Management of Overdose
11	DESCRIPTION
12	CLINICAL PHARMACOLOGY
12.1	Mechanism of Action
12.2	Pharmacodynamics
12.3	Pharmacokinetics
13	NONCLINICAL TOXICOLOGY
13.1	Carcinogenesis, Mutagenesis, Impairment of Fertility
13.2	Animal Toxicology and/or Pharmacology
14	CLINICAL STUDIES
14.1	Major Depressive Disorder
14.2	Generalized Anxiety Disorder
15	HOW SUPPLIED/STORAGE AND HANDLING
17	PATIENT COUNSELING INFORMATION

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

**2.6 Switching a Patient to or from a Monoamine Oxidase Inhibitor (MAOI) Intended to Treat Psychiatric Disorders**  
At least 14 days should elapse between discontinuation of an MAOI intended to treat psychiatric disorders and initiation of therapy with escitalopram tablets. Conversely, at least 14 days should be allowed after stopping escitalopram tablets before starting an MAOI intended to treat psychiatric disorders (See *Contraindications (4.1)*).

**2.7 Use of Escitalopram Tablets with Other MAOIs such as Linezolid or Methylene Blue**  
Do not start escitalopram tablets in a patient who is being treated with linezolid or intravenous methylene blue because there is an increased risk of serotonin syndrome. In a patient who requires more urgent treatment of a psychiatric condition, other interventions, including hospitalization, should be considered (See *Contraindications (4.1)*).

In some cases, a patient already receiving escitalopram tablets therapy may require urgent treatment with linezolid or intravenous methylene blue. If acceptable alternatives to linezolid or intravenous methylene blue treatment are not available and the potential benefits of linezolid or intravenous methylene blue treatment are judged to outweigh the risks of serotonin syndrome in a particular patient, escitalopram tablets should be stopped promptly, and linezolid or intravenous methylene blue can be administered. The patient should be monitored for symptoms of serotonin syndrome for 2 weeks or until 24 hours after the last dose of linezolid or intravenous methylene blue, whichever comes first. Therapy with escitalopram tablets may be resumed 24 hours after the last dose of linezolid or intravenous methylene blue (See *Warnings and Precautions (5.2)*).

The risk of administering methylene blue by non-intravenous routes (such as oral tablets or by local injection) or in intravenous doses much lower than 1 mg/kg with escitalopram tablets is unclear. The clinician should, nevertheless, be aware of the possibility of emergent symptoms of serotonin syndrome with such use (See *Warnings and Precautions (5.2)*).

**3. DOSAGE FORMS AND STRENGTHS**  
• Escitalopram tablets USP 5 mg are white, round, biconvex, film-coated tablets, debossed with "8" on one side and "C" on the other side.  
• Escitalopram tablets USP 10 mg are white, oval shaped, biconvex, film-coated tablets, with scoreline on both sides, debossed with "10" on left side of scoreline and "C" on right side of scoreline and with "C" on the other side.  
• Escitalopram tablets USP 20 mg are white, oval shaped, biconvex, film-coated tablets, with scoreline on one side, debossed with "20" on left side of scoreline and "C" on right side of scoreline and plain on the other side.

**4. CONTRAINDICATIONS**  
**4.1 Monoamine Oxidase Inhibitors (MAOIs)**  
The use of MAOIs intended to treat psychiatric disorders with escitalopram or within 14 days of stopping treatment with escitalopram is contraindicated because of an unacceptable risk of serotonin syndrome. The use of escitalopram within 14 days of stopping an MAOI intended to treat psychiatric disorders is also contraindicated (See *Dosage and Administration (2.5)*, and *Warnings and Precautions (5.2)*).

**4.2 Pimozide**  
Concomitant use in patients taking pimozide is contraindicated (See *Drug Interactions (7.10)*).

**4.3 Hypersensitivity to escitalopram or citalopram**  
Escitalopram is contraindicated in patients with a hypersensitivity to escitalopram or citalopram or any of the inactive ingredients in escitalopram tablets.

**5. WARNINGS AND PRECAUTIONS**  
**5.1 Suicidal Thoughts and Behaviors in Adolescents and Young Adults**  
In pooled analyses of placebo-controlled trials of antidepressant drugs (SSRIs and other antidepressant classes) that included approximately 17,000 adult patients and 4,500 pediatric patients, the incidence of suicidal thoughts and behaviors in adolescents in antidepressant-treated patients aged 24 years and younger was greater than in placebo-treated patients. There was considerable variation in risk of suicidal thoughts and behaviors among drugs, but there was an increased risk identified in young patients for most drugs studied. There were differences in absolute risk of suicidal thoughts and behaviors across the different indications, with the highest incidence in patients with MDD. The drug-placebo differences in the number of cases of suicidal thoughts and behaviors per 1000 patients treated are provided in Table 1.

**Table 1: Risk Differences of the Number of Patients of Suicidal Thoughts and Behaviors in the Pooled Placebo-Controlled Trials of Antidepressants in Pediatric and Adult Patients**

Age Range	Drug-Placebo Difference in Number of Patients of Suicidal Thoughts and Behaviors per 1000 Patients Treated
<18 years old	Increases Compared to Placebo 14 additional patients
18 to 24 years old	5 additional patients
25 to 64 years old	Decreases Compared to Placebo 1 fewer patient
≥65 years old	6 fewer patients

**5.2 Discontinuation of Treatment with Escitalopram Tablets**  
Symptoms associated with discontinuation of escitalopram tablets and other SSRIs and SNRIs have been reported (See *Warnings and Precautions (5.3)*). Patients should be monitored for these symptoms when discontinuing treatment. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate.

**5.3 Discontinuation of Treatment with Escitalopram Tablets**  
Symptoms associated with discontinuation of escitalopram tablets and other SSRIs and SNRIs have been reported (See *Warnings and Precautions (5.3)*). Patients should be monitored for these symptoms when discontinuing treatment. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate.

**5.4 Activation of Mania/Hypomania**  
Screen patients for bipolar disorder, mania, or hypomania (See *Warnings and Precautions (5.5)*).

**5.5 Special Populations**  
10 mg/day is the recommended dose for most elderly patients and patients with hepatic impairment. No dosage adjustment is necessary for patients with mild or moderate renal impairment. Escitalopram tablets should be used with caution in patients with severe renal impairment.

**5.6 Discontinuation of Treatment with Escitalopram Tablets**  
Symptoms associated with discontinuation of escitalopram tablets and other SSRIs and SNRIs have been reported (See *Warnings and Precautions (5.3)*). Patients should be monitored for these symptoms when discontinuing treatment. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate.

**5.7 Abnormal Bleeding**  
Use caution in patients with NSAIDs, aspirin, warfarin or other drugs that affect coagulation (5.7).

**5.8 Interference with Cognitive and Motor Performance**  
Use caution when operating machinery (5.8).

**5.9 Angle Closure Glaucoma**  
Angle closure glaucoma has occurred in patients with untreated anatomically narrow angles who were treated with antidepressants. (5.9).

**5.10 Use in Patients with Concomitant Illness**  
Use caution in patients with diseases or conditions that produce altered metabolism or hemodynamic responses (5.10).

Monitor all antidepressant-treated patients for any indication for clinical worsening and emergence of suicidal thoughts and behaviors, especially during the initial few months of drug therapy, and at times of dosage changes. Counsel family members or caregivers of patients to monitor for changes in behavior and to alert the healthcare provider. Consider changing the therapeutic regimen, including possibly discontinuing escitalopram, in patients whose depression is persistently worse, or who are experiencing emergent suicidal thoughts or behaviors.

**5.2 Serotonin Syndrome**  
The development of a potentially life-threatening serotonin syndrome has been reported with SNRIs and SSRIs, including escitalopram, alone but particularly with concomitant use of other serotonergic drugs (including triptans, tricyclic antidepressants, fenfluramine, lithium, tramadol, tryptophan, buspirone, amphetamines, and St. John's Wort) and with drugs that impair metabolism of serotonin (in particular, MAOIs, both those intended to treat psychiatric disorders and also others, such as linezolid and intravenous methylene blue).

Serotonin syndrome symptoms may include mental status changes (e.g., agitation, hallucinations, delirium, and coma), autonomic instability (e.g., tachycardia, labile blood pressure, dizziness, diaphoresis, flushing, hyperthermia), neuromuscular symptoms (e.g., tremor, rigidity, myoclonus, hyperreflexia, incoordination) seizures, and/or gastrointestinal symptoms (e.g., nausea, vomiting, diarrhea). Patients should be monitored for the emergence of serotonin syndrome.

The concomitant use of escitalopram with MAOIs intended to treat psychiatric disorders is contraindicated. Escitalopram should also not be started in a patient who is being treated with MAOIs such as linezolid or intravenous methylene blue. All reports of serotonin syndrome should be reported immediately to the FDA (www.fda.gov/medwatch) and to your healthcare provider. If concomitant use of escitalopram with other serotonergic drugs is clinically warranted, patients should be made aware of a potential increased risk for serotonin syndrome (serotonergic toxicity).

**5.3 Discontinuation of Treatment with Escitalopram**  
A gradual reduction in dose rather than abrupt cessation is recommended whenever possible (5.3).

**5.4 Activation of Mania/Hypomania**  
Screen patients for bipolar disorder, mania, or hypomania (See *Warnings and Precautions (5.5)*).

**5.5 Special Populations**  
10 mg/day is the recommended dose for most elderly patients and patients with hepatic impairment (2.3). No dosage adjustment is necessary for patients with mild or moderate renal impairment. Use caution in patients with severe renal impairment (2.3).

**5.6 Discontinuation of Treatment with Escitalopram**  
Symptoms associated with discontinuation of escitalopram tablets and other SSRIs and SNRIs (serotonin and norepinephrine reuptake inhibitors), there have been spontaneous reports of adverse events occurring upon discontinuation of these drugs, particularly when abrupt, including the following: dysphoric mood, irritability, agitation, dizziness, sensory disturbances (e.g., paresthesias such as electric shock sensations), anxiety, confusion, headache, lethargy, emotional lability, insomnia, and hypomania. While these events are generally self-limiting, there have been reports of serious discontinuation symptoms.

Patients should be monitored for these symptoms when discontinuing treatment with escitalopram. A gradual reduction in the dose rather than abrupt cessation is recommended whenever possible. If intolerable symptoms occur following a decrease in the dose or upon discontinuation of treatment, then resuming the previously prescribed dose may be considered. Subsequently, the physician may continue decreasing the dose but at a more gradual rate (See *Dosage and Administration (2.4)*).

**5.7 Abnormal Bleeding**  
Signs and symptoms of hypotension include headache, difficulty concentrating, memory impairment, confusion, weakness, and unsteadiness, which may lead to falls. Signs and symptoms associated with more severe and/or acute cases have included hallucination, syncope, seizure, coma, respiratory arrest, and death.

**5.8 Interference with Cognitive and Motor Performance**  
Use caution when operating machinery (5.8).

**5.9 Angle Closure Glaucoma**  
Angle closure glaucoma has occurred in patients with untreated anatomically narrow angles who do not have a patent iridectomy.

**5.10 Use in Patients with Concomitant Illness**  
Use caution in patients with diseases or conditions that produce altered metabolism or hemodynamic responses. Escitalopram has not been systematically evaluated in patients with a recent history of myocardial infarction or unstable heart disease.

The potential dose dependency of common adverse reactions (defined as an incidence rate of ≥5% in either the 10 mg or 20 mg escitalopram groups) was examined on the basis of the combined incidence of adverse reactions in two fixed-dose trials. The overall incidence rates of adverse events in 10 mg escitalopram-treated patients (66%) was similar to that of the placebo-treated patients (61%), while the incidence rate in 20 mg/day escitalopram-treated patients was greater (68%). Table 3 shows common adverse reactions that occurred in the 20 mg/day escitalopram group with an incidence that was approximately twice that of the 10 mg/day escitalopram group and approximately twice that of the placebo group.

**Table 3: Incidence of Common Adverse Reactions in Patients with Major Depressive Disorder**

Adverse Reaction	Placebo (N=311)	Escitalopram 10 mg/day (N=310)	Escitalopram 20 mg/day (N=325)
Insomnia	4%	7%	14%
Dizziness	5%	6%	14%
Dry Mouth	3%	4%	9%
Somnolence	2%	4%	9%
Dizziness	1%	4%	7%
Sweating Increased	<1%	3%	8%
Fatigue	1%	3%	6%
Indigestion	1%	2%	6%

**Table 4: Incidence of Common Adverse Reactions in Patients with Generalized Anxiety Disorder**

Adverse Reaction	Placebo (N=429)	Escitalopram (N=427)
Insomnia	13%	6%
Somnolence	13%	7%
Diarrhea	5%	4%
Constipation	5%	4%
Indigestion	3%	2%
Nausea	18%	8%
Diarrhea	8%	6%
Constipation	5%	4%
Indigestion	3%	2%
Vomiting	3%	1%
Abdominal Pain	2%	1%
Fatigue	2%	1%
Toothache	2%	0%

**Table 5: Incidence of Common Adverse Reactions in Patients with Major Depressive Disorder**

Adverse Reaction	Placebo (N=311)	Escitalopram 10 mg/day (N=310)	Escitalopram 20 mg/day (N=325)
Insomnia	4%	7%	14%
Dizziness	5%	6%	14%
Dry Mouth	3%	4%	9%
Somnolence	2%	4%	9%
Dizziness	1%	4%	7%
Sweating Increased	<1%	3%	8%
Fatigue	1%	3%	6%
Indigestion	1%	2%	6%

**Table 6: Incidence of Common Adverse Reactions in Patients with Generalized Anxiety Disorder**

Adverse Reaction	Placebo (N=429)	Escitalopram (N=427)
Insomnia	13%	6%
Somnolence	13%	7%
Diarrhea	5%	4%
Constipation	5%	4%
Indigestion	3%	2%
Nausea	18%	8%
Diarrhea	8%	6%
Constipation	5%	4%
Indigestion	3%	2%
Vomiting	3%	1%
Abdominal Pain	2%	1%
Fatigue	2%	1%
Toothache	2%	0%

**Table 7: Incidence of Common Adverse Reactions in Patients with Major Depressive Disorder**

Adverse Reaction	Placebo (N=311)	Escitalopram 10 mg/day (N=310)	Escitalopram 20 mg/day (N=325)
Insomnia	4%	7%	14%
Dizziness	5%	6%	14%
Dry Mouth	3%	4%	9%
Somnolence	2%	4%	9%
Dizziness	1%	4%	7%
Sweating Increased	<1%	3%	8%
Fatigue	1%	3%	6%
Indigestion	1%	2%	6%

**Table 8: Incidence of Common Adverse Reactions in Patients with Generalized Anxiety Disorder**

Adverse Reaction	Placebo (N=429)	Escitalopram (N=427)
Insomnia	13%	6%
Somnolence	13%	7%
Diarrhea	5%	4%
Constipation	5%	4%
Indigestion	3%	2%
Nausea	18%	8%
Diarrhea	8%	6%
Constipation	5%	4%
Indigestion	3%	2%
Vomiting	3%	1%
Abdominal Pain	2%	1%
Fatigue	2%	1%
Toothache	2%	0%

**Table 9: Incidence of Common Adverse Reactions in Patients with Major Depressive Disorder**

Adverse Reaction	Placebo (N=311)	Escitalopram 10 mg/day (N=310)	Escitalopram 20 mg/day (N=325)
Insomnia	4%	7%	14%
Dizziness	5%	6%	14%
Dry Mouth	3%	4%	9%
Somnolence	2%	4%	9%
Dizziness	1%	4%	7%
Sweating Increased	<1%	3%	8%
Fatigue	1%	3%	6%
Indigestion	1%	2%	6%

**Table 10: Incidence of Common Adverse Reactions in Patients with Generalized Anxiety Disorder**

Adverse Reaction	Placebo (N=429)	Escitalopram (N=427)
Insomnia	13%	6%
Somnolence	13%	7%
Diarrhea	5%	4%
Constipation	5%	4%
Indigestion	3%	2%
Nausea	18%	8%
Diarrhea	8%	6%
Constipation	5%	4%
Indigestion	3%	2%
Vomiting	3%	1%
Abdominal Pain	2%	1%
Fatigue	2%	1%
Toothache	2%	0%

**Table 11: Incidence of Common Adverse Reactions in Patients with Major Depressive Disorder**

Adverse Reaction	Placebo (N=311)	Escitalopram 10 mg/day (N=310)	Escitalopram 20 mg/day (N=325)
Insomnia	4%	7%	14%
Dizziness	5%	6%	14%
Dry Mouth	3%	4%	9%
Somnolence	2%	4%	9%
Dizziness	1%	4%	7%
Sweating Increased	<1%	3%	8%
Fatigue	1%	3%	6%
Indigestion	1%	2%	6%

**Table 12: Incidence of Common Adverse Reactions in Patients with Generalized Anxiety Disorder**

Adverse Reaction	Placebo (N=429)	Escitalopram (N=427)
Insomnia	13%	6%
Somnolence	13%	7%
Diarrhea	5%	4%
Constipation	5%	4%
Indigestion	3%	2%
Nausea	18%	8%
Diarrhea	8%	6%
Constipation	5%	4%
Indigestion	3%	2%
Vomiting	3%	1%
Abdominal Pain	2%	1%
Fatigue	2%	1%
Toothache	2%	0%

**Medication Guide****Escitalopram Tablets**

(es' 'sye tal' oh pram)

Read the Medication Guide that comes with escitalopram tablets before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment. Talk with your healthcare provider if there is something you do not understand or want to learn about more.

**What is the most important information I should know about escitalopram tablets?**  
Escitalopram tablets and other antidepressant medicines may cause serious side effects, including:

- **Suicidal thoughts or actions:**
  - Escitalopram tablets and other antidepressant medicines may increase suicidal thoughts or actions in some children, teenagers, or young adults within the first few months of treatment or when the dose is changed.
  - Depression or other serious mental illnesses are the most important causes of suicidal thoughts or actions.
  - Watch for these changes and call your healthcare provider right away if you notice:
    - New or sudden changes in mood, behavior, actions, thoughts, or feelings, especially if severe

- Medicines used to treat mood, anxiety, psychotic or thought disorders, including tricyclics, lithium, SSRIs, SNRIs, amphetamines, or antipsychotics
- Tramadol
- Over-the-counter supplements such as tryptophan or St. John's Wort
- have liver problems
- have kidney problems
- have heart problems
- have or had seizures or convulsions
- have bipolar disorder or mania
- have low sodium levels in your blood
- have a history of a stroke
- have high blood pressure
- have or had bleeding problems
- are pregnant or plan to become pregnant. Taking escitalopram tablets late in pregnancy may lead to an increased risk of certain problems in your newborn. Talk to your healthcare provider about the benefits and risks of treating depression during pregnancy
  - If you become pregnant while taking escitalopram tablets, talk to your healthcare provider about registering with the National Pregnancy Registry for Antidepressants. You can register by calling 1-844-405-6185 or go to https://womensmentalhealth.org/clinical-and-research-programs/pregnancyregistry/antidepressants/.
- are breast-feeding or plan to breast-feed. Escitalopram may pass into your breast milk. Talk to your healthcare provider about the best way to feed your baby if taking escitalopram tablets.

**Tell your healthcare provider** about all the medicines that **you take**, including prescription and non-prescription medicines, vitamins, and herbal supplements. Escitalopram tablets and some medicines may interact with each other, may not work as well, or may cause serious side effects.

Your healthcare provider or pharmacist can tell you if it is safe to take escitalopram tablets with your other medicines. Do not start or stop any medicine while taking escitalopram tablets without talking to your healthcare provider first.

If you take escitalopram tablets, you should not take any other medicines that contain escitalopram or citalopram including: Celexa.

**How should I take escitalopram tablets?**

- Take escitalopram tablets exactly as prescribed. Your healthcare provider may need to change the dose of escitalopram tablets until it is the right dose for you.
- Escitalopram tablets may be taken with or without food.
- If you miss a dose of escitalopram tablets, take the missed dose as soon as you remember. If it is almost time for the next dose, skip the missed dose and take your next dose at the regular time. Do not take two doses of escitalopram tablets at the same time.
- If you take too much escitalopram tablets, call your healthcare provider or poison control center right away, or get emergency treatment.

**What should I avoid while taking escitalopram tablets?**

Escitalopram tablets can cause sleepiness or may affect your ability to make decisions, think clearly, or react quickly. You should not drive, operate heavy machinery, or do other dangerous activities until you know how escitalopram tablets affects you. Do not drink alcohol while using escitalopram tablets.

**What are the possible side effects of escitalopram tablets?**

**Escitalopram tablets may cause serious side effects, including all of those described in the section entitled “What is the most important information I should know about escitalopram tablets?”**

Common possible side effects in people who take escitalopram tablets include:

- Nausea
- Sleepiness
- Weakness
- Dizziness
- Feeling anxious
- Trouble sleeping
- Sexual problems
- Shaking
- Swelling
- Not feeling hungry
- Dry mouth
- Constipation
- Infection
- Yawning

Other side effects in children and adolescents include:

- increased thirst
- abnormal increase in muscle movement or agitation
- nose bleed
- difficult urination
- heavy menstrual periods
- possible slowed growth rate and weight change. Your child’s height and weight should be monitored during treatment with escitalopram tablets.

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

**CALL YOUR DOCTOR FOR MEDICAL ADVICE ABOUT SIDE EFFECTS. YOU MAY REPORT SIDE EFFECTS TO THE FDA AT 1-800-FDA-1088.**

**How should I store escitalopram tablets?**

- Store at 20°C to 25°C (68°F to 77°F); excursions permitted to 15°C to 30°C (59°F to 86°F) [See USP Controlled Room Temperature].
- Escitalopram tablets comes in a child-resistant pack.
- Keep escitalopram tablets bottle closed tightly.

**Keep escitalopram tablets and all medicines out of the reach of children.**

**General information about escitalopram tablets**

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use escitalopram tablets for a condition for which it was not prescribed. Do not give escitalopram tablets to other people, even if they have the same condition. It may harm them. This Medication Guide summarizes the most important information about escitalopram tablets. If you would like more information, talk with your healthcare provider. You may ask your healthcare provider or pharmacist for information about escitalopram tablets that is written for healthcare professionals.

For more information, call toll-free 1-800-313-4623.

**What are the ingredients in escitalopram tablets?**

Active ingredient: escitalopram oxalate USP

Inactive ingredients: colloidal silicon dioxide, croscarmellose sodium, magnesium stearate, microcrystalline cellulose, and talc. The film coating contains polyethylene glycol, hypromellose, and titanium dioxide.

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Celexa®, Coumadin®, Jantoven® and Orap®.

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

**Rx Only**

**Manufactured by:**

Jubilant Generics Limited

Roorkee - 247661, India

**Marketed by:**

Jubilant Cadista Pharmaceuticals Inc.

Salisbury, MD 21801, USA

**Revised: 11/2020**

**EGG Changes**

Electrocardiograms from escitalopram (N=625) and placebo (N=527) groups were compared with respect to outliers defined as subjects with QTc changes over 60 msec from baseline or absolute values over 500 msec post-dose, and subjects with start rate increases over 1000 or decreases to less than 50 bpm with a 25% change from baseline (tachycardic or bradycardic outliers, respectively). None of the patients in the escitalopram group had a QTc interval >500 msec or a prolongation >60 msec compared to 0.2% of patients in the placebo group. The incidence of tachycardic outlier was 0.2% in the escitalopram and placebo group. The incidence of bradycardic outliers was 0.5% in the escitalopram group and 0.2% in the placebo group.

QTc interval was evaluated in a randomized, placebo and active (mefloquine 400 mg) controlled cross-over, escalating multiple-dose study in 113 healthy subjects. The maximum mean (95% upper confidence bound) difference from placebo was 4.5 (6.4) and 10.7 (12.7) msec for 10 mg and supratherapeutic 30 mg escitalopram given once daily, respectively. Based on the established exposure-response relationship, the predicted QTc change from placebo arm (95% confidence interval) under the C<sub>max</sub> for the dose of 20 mg is 6.6 (7.9) msec. Escitalopram 30 mg given once daily resulted in mean C<sub>max</sub> of 1.7-fold higher than the mean C<sub>max</sub> for the maximum recommended therapeutic dose at steady state (20 mg). The exposure under supratherapeutic 30 mg dose is similar to the steady state concentrations expected in CYP2C19 poor metabolizers following a therapeutic dose of 20 mg.

**Other Reactions Observed During the Premarketing Evaluation of Escitalopram**

Following is a list of treatment-emergent adverse events, as defined in the introduction to the **ADVERSE REACTIONS** section, reported by the 1428 patients treated with escitalopram for periods of up to one year in double-blind or open-label clinical trials during its premarketing evaluation. The listing does not include those events already listed in Tables 2 & 3, those events for which a drug cause was remote and at a rate less than 1% or lower than placebo, those events which were so general as to be uninformative, and those events reported only once which do not have a substantial probability of being acutely life threatening. Events are categorized by body system. Events of major clinical importance are described in the Warnings and Precautions section (5).

**Cardiovascular - hypertension, palpitation.**

**Central and Peripheral Nervous System Disorders -** light-headed feeling, migraine.

**Gastrointestinal Disorders -** abdominal cramp, heartburn, gastroenteritis.

**General -** allergy, chest pain, fever, hot flashes, pain in limb.

**Infectious and Infestational Disorders -** decreased weight, electrocardiogram (ECG) prolongation, hepatic enzymes increased, hypercholesterolemia, increased prolactin, decreased.

**Musculoskeletal System Disorders -** arthralgia, myalgia, low back stiffness.

**Psychiatric Disorders -** appetite increased, concentration impaired, irritability.

**Reproductive Disorders/Female -** menstrual cramps, menstrual disorder.

**Respiratory System Disorders -** bronchitis, coughing, nasal congestion, sinus congestion, sinus headache.

**Skin and Appendage Disorders -** rash, grand mal seizures (or convulsions), hypoesthesia, myoclonus, nystagmus.

**Special Senses -** vision blurred, tinnitus.

**Urinary System Disorders -** urinary frequency, urinary tract infection.

**2.6 Post-Marketing Experience**

**Adverse Reactions Reported Subsequent to the Marketing of Escitalopram**
The following adverse reactions have been identified during post-approval use of escitalopram. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.
Blood and Lymphatic System Disorders: anemia, agranulocytosis, aplastic anemia, hemolytic anemia, idiopathic thrombocytopenia purpura, leukopenia, thrombocytopenia.
Cardiac Disorders: atrial fibrillation, bradycardia, cardiac failure, myocardial infarction, tachycardia, torsade de pointes, ventricular arrhythmia, ventricular tachycardia.
Ear and labyrinth disorders: vertigo.
Endocrine Disorders: diabetes mellitus, hyperprolactinemia, SIADH.
Eye Disorders: angle closure glaucoma, diplopia, mydriasis, visual disturbance.
Gastrointestinal Disorder: dysphagia, gastroesophageal reflux, gastroesophageal reflux, pancreatitis, rectal hemorrhage.
Genitourinary System System Conditions: abnormal gag, asthma, edema, fall, feeling abnormal, malaise.
Hepatobiliary Disorders: fulminant hepatitis, hepatic failure, hepatic necrosis, hepatitis.
Immune System Disorders: allergic reaction, anaphylaxis.
Infectious and infestations: increased weight, electrocardiogram (ECG) prolongation, hepatic enzymes increased, hypercholesterolemia, increased prolactin, decreased.
Metabolism and Nutrition Disorders: hypoglycemia, hypoglycemia, hypokalemia, hypotensionia.
Musculoskeletal and Connective Tissue Disorders: muscle cramp, muscle stiffness, muscle weakness, rhadomyolysis.
Nervous System Disorders: akathisia, amnesia, ataxia, choreoathetosis, cerebrovascular accident, dysarthria, dyskinesia, dizziness, headache, loss of consciousness (or convulsions), hypoaesthesia, myoclonus, nystagmus, Parkinsonism, restless legs, seizures, syncope, tardive dyskinesia, tremor.
Pregnancy, Puerperium and Perinatal Conditions: spontaneous abortion.
Psychiatric Disorders: acute psychosis, aggression, agitation, anger, anxiety, apathy, completely sexed, confusion, depersonalization, decreased concentration, delirium, delusion, disorientation, feeling unreal, hallucinations (visual and auditory), mood swings, nervousness, nightmare, panic reaction, paranoia, restlessness, sleep or thoughts of self-harm, suicide attempt, suicidal ideation, suicidal tendency.
Renal and Urinary Disorders: acute renal failure, dysuria, urinary retention.
Reproductive System and Breast Disorders: menorrhagia, priapism.
Respiratory, Thoracic and Mediastinal Disorders: dyspnea, epistaxis, pulmonary embolism, pulmonary hypertension of the newborn.
Skin and Subcutaneous Tissue Disorders: alopecia, angioma, dermatitis, ecchymosis, erythema multiforme, photosensitivity reaction.
Stevens Johnson Syndrome, toxic epidermal necrolysis, urticaria.
Vascular Disorders: deep vein thrombosis, flushing, hypertensive crisis, hypotension, orthostatic hypotension, phlebitis, thrombosis.

**7 DRUG INTERACTIONS**

**7.1 Monoamine Oxidase Inhibitors (MAOIs)**

(See Dosage and Administration (2.5 and 2.6), Contraindications (4.1) and Warnings and Precautions (5.2).

**7.2 Serotonergic Drugs**

(See Dosage and Administration (2.5 and 2.6), Contraindications (4.1) and Warnings and Precautions (5.2).

**7.3 Triptans**

There have been rare postmarketing reports of serotonin syndrome with use of an SSRI and a triptan. If concomitant treatment of escitalopram with a triptan is clinically warranted, careful observation of the patient is advised, particularly during treatment initiation and dose increases (See Warnings and Precautions (5.2).

**7.4 CNS Drugs**

Given the primary CNS effects of escitalopram, caution should be used when it is taken in combination with other centrally acting drugs.

**7.5 Alcohol**

Escitalopram did not potentiate the cognitive and motor effects of alcohol in a clinical trial, as with other psychotropic medications, the use of alcohol by patients taking escitalopram is not recommended.

**7.6 Drugs That Interfere With Hemostasis (NSAIDs, Aspirin, Warfarin, etc.)**

Serotonin release by platelets plays an important role in hemostasis. Epidemiological studies of the case-control and cohort design that have demonstrated an association between use of psychotropic drugs that interfere with serotonin reuptake and the risk of bleeding. Altered anticoagulant effects, including increased bleeding, have been reported when SSRIs and SNRIs are administered with warfarin. Patients receiving warfarin therapy should be carefully monitored when escitalopram is started or discontinued.

**7.7 Cimetidine**

In subjects who had received 21 days of 40 mg/day racemic citalopram, combined administration of 400 mg twice a day cimetidine for 8 days resulted in an increase in citalopram AUC and C<sub>max</sub> of 43% and 39%, respectively. The clinical significance of these findings is unknown.

**7.8 Digoxin**

In subjects who had received 21 days of 40 mg/day racemic citalopram, combined administration of citalopram and digoxin (single dose of 1 mg) did not significantly affect the pharmacokinetics of citalopram or digoxin.

**7.9 Lithium**

Combined administration of racemic citalopram (40 mg/day for 10 days) and lithium (300 mmol/day for 5 days) had no significant effect on the pharmacokinetics of citalopram or lithium. Nevertheless, plasma lithium levels should be monitored with appropriate adjustment to the lithium dose in accordance with standard clinical practice. Because lithium may enhance the serotonergic effects of escitalopram, caution should be exercised when escitalopram and lithium are administered together.

**7.10 Flumazenil and Catechol**

In a controlled study, a single dose of pimizole 2 mg co-administered with racemic citalopram 40 mg given once daily for 11 days was associated with a mean increase in QTc values of approximately 10 msec compared to pimizole given alone. Racemic citalopram did not alter the mean AUC or C<sub>max</sub> of pimizole. The mechanism of this pharmacodynamic interaction is not known.

**7.11 Sumatriptan**

There have been rare postmarketing reports describing patients with weakness, hyperreflexia, and incoordination following the use of an SSRI and sumatriptan. If concomitant treatment with sumatriptan and an SSRI (e.g., fluoxetine, fluvoxamine, paroxetine, sertraline, citalopram, escitalopram) is clinically warranted, appropriate observation of the patient is advised.

**7.12 Theophylline**

Combined administration of racemic citalopram (40 mg/day for 21 days) and the CYP1A2 substrate theophylline (single dose of 300 mg) did not affect the pharmacokinetics of theophylline. The effect of escitalopram on the pharmacokinetics of citalopram was not evaluated.

**7.13 Warfarin**

Administration of 40 mg/day racemic citalopram for 21 days did not affect the pharmacokinetics of warfarin, a CYP3A4 substrate. Prothrombin time was increased by 5%, the clinical significance of which is unknown.

**7.14 Carbamazepine**

Combined administration of racemic citalopram (40 mg/day for 14 days) and carbamazepine (titrated to 400 mg/day for 35 days) did not significantly affect the pharmacokinetics of carbamazepine, a CYP3A4 substrate. Although trough citalopram plasma levels were unaffected, given the enzyme-inducing properties of carbamazepine, the possibility that carbamazepine might enhance the clearance of escitalopram should be considered if the two drugs are coadministered.

**7.15 Triazolam**

Combined administration of racemic citalopram (titrated to 40 mg/day for 28 days) and the CYP3A4 substrate triazolam (single dose of 0.25 mg) did not significantly affect the pharmacokinetics of either citalopram or triazolam.

**7.16 Ketoneconazole**

Combined administration of racemic citalopram (40 mg) and ketoneconazole (200 mg), a potent CYP3A4 inhibitor, decreased the C<sub>max</sub> and AUC of ketoneconazole by 21% and 10%, respectively, and did not significantly affect the pharmacokinetics of citalopram.

**7.17 Rilovirav**

Combined administration of a single dose of rilovirav (600 mg), both a CYP3A4 substrate and a potent inhibitor of CYP3A4, and escitalopram (20 mg) did not affect the pharmacokinetics of either rilovirav or escitalopram.

**7.18 CYP3A4 and -2C19 Inhibition**

In vitro studies indicated that CYP3A4 and -2C19 are the primary enzymes involved in the metabolism of escitalopram. However, coadministration of escitalopram (20 mg) and rilovirav (600 mg), a potent inhibitor of CYP3A4, did not significantly affect the pharmacokinetics of escitalopram. Because escitalopram is metabolized by multiple enzyme systems, inhibition of a single enzyme may not appreciably decrease escitalopram clearance.

**7.19 Drugs Metabolized by Cytochrome P4502D6**

In vitro studies did not reveal an inhibitory effect of citalopram on CYP2D6. In addition, steady state levels of racemic citalopram were not significantly different in poor metabolizers and extensive CYP2D6 metabolizers after multiple-dose

administration of citalopram, suggesting that coadministration, with escitalopram, of a drug that inhibits CYP2D6, is unlikely to have clinically significant effects on escitalopram metabolism. However, there are limited *in vivo* data suggesting a modest CYP2D6 inhibitory effect for escitalopram, i.e., coadministration of escitalopram (20 mg/day for 21 days) with the tricyclic antidepressant desipramine (single dose of 50 mg), a substrate for CYP2D6, resulted in a 40% increase in C<sub>max</sub> and a 100% increase in AUC of desipramine. The clinical significance of this finding is unknown. Nevertheless, caution is indicated in the coadministration of escitalopram and drugs metabolized by CYP2D6.

**7.20 Metoprolol**

Administration of 20 mg/day escitalopram for 21 days in healthy volunteers resulted in a 50% increase in C<sub>max</sub> and 82% increase in AUC of the beta-adrenergic blocker metoprolol (given in a single dose of 100 mg). Increased metoprolol plasma levels have been associated with decreased cardiotoxicity. Coadministration of escitalopram and metoprolol had no clinically significant effects on blood pressure or heart rate.

**7.21 Electroconvulsive Therapy (ECT)**

There are no clinical studies of the combined use of ECT and escitalopram.

**8 USE IN SPECIFIC POPULATIONS**

**8.1 Pregnancy**

**Pregnancy Exposure Registry.**

There is a pregnancy exposure registry that monitors pregnancy outcomes in women exposed to antidepressants during pregnancy. Healthcare providers are encouraged to register patients by calling the National Pregnancy Registry for Antidepressants at 1-844-405-6185 or visiting online at <http://www.womensmentalhealth.org/clinical-and-research-programs/pregnancyregistry/antidepressants/>.

**Risk Summary.**

Available data from published epidemiologic studies and postmarketing reports have not established an increased risk of major birth defects or miscarriage. There are risks of preterm pulmonary hypertension of the newborn (PPHN) (see *Dose and Post neonatal adaptation*) (see *Clinical Considerations*) with exposure to selective serotonin reuptake inhibitors (SSRIs), including escitalopram, during pregnancy. There are risks associated with untreated depression in pregnancy (see *Clinical Considerations*).

In animal reproduction studies, both escitalopram and racemic citalopram have been shown to have adverse effects on embryofetal and postnatal development, including fetal structural abnormalities, when administered at doses greater than human therapeutic doses (see *Data*).

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in the clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

**Clinical Considerations.**

*Disease-associated maternal risk and/or embryofetal risk.* Women who discontinue antidepressants are more likely to experience a relapse of major depression than women who continue antidepressants. This finding is similar to other antidepressants with a similar half-life of about 27-32 hours. With careful dosing, steady state plasma concentrations are achieved within approximately one week. At steady state, the extent of accumulation of escitalopram in plasma in young healthy subjects was 2.2-2.5 times the plasma concentrations observed after a single dose. The tablet and the oral solution dosage forms of escitalopram oxalate are bioequivalent.

**Fetal/Neonatal adverse reactions**

Neonates exposed to SSRIs or SNRIs, including escitalopram, late in third trimester have developed complications requiring prolonged hospitalization, respiratory support, and tube feeding. Such complications can arise immediately upon delivery. Reported clinical findings have included respiratory distress, cyanosis, apnea, seizures, temperature instability, feeding difficulty, vomiting, hypoglycemia, hypotonia, hyperreflexia, tremor, jitteriness, irritability, and constant crying. These features are consistent with either a direct toxic effect of SSRIs and SNRIs or, possibly, a drug discontinuation syndrome. It should be noted that, in some cases, the clinical picture is consistent with serotonin syndrome (see *Warnings and Precautions (5.2)*).

**Data.**

**Human Data**

Exposure to SSRIs, particularly later in pregnancy, may increase the risk for PPHN. PPHN occurs in 1-2 per 1000 live births in the general population and is associated with substantial neonatal morbidity and mortality.

*Animal Data*
A rat embryo/fetal development study, oral administration of escitalopram (56, 112, or 150 mg/kg/day) to pregnant animals during the period of organogenesis resulted in decreased fetal body weight and associated delays in ossification at the two higher doses (approximately 55 times the maximum recommended human dose (MRHD)) or 20 mg/day on a mg/m<sup>2</sup> basis). Maternal toxicity (clinical signs and decreased body weight gain and food consumption) was seen at this dose. Slightly increased offspring mortality was also seen at 24 mg/kg/day. The no-effect dose was 12 mg/kg/day which is approximately 6 times the MRHD of 20 mg on a mg/m<sup>2</sup> basis. When female rats were treated with escitalopram (6, 12, 24, or 48 mg/kg/day) during pregnancy and through weaning, slightly increased offspring mortality and growth retardation were noted at 48 mg/kg/day which is approximately 23 times the MRHD of 20 mg on a mg/m<sup>2</sup> basis. Slight maternal toxicity (clinical signs and decreased body weight gain and food consumption) was seen at this dose. Slightly increased offspring mortality was also seen at 24 mg/kg/day. The no-effect dose was 12 mg/kg/day which is approximately 6 times the MRHD of 20 mg on a mg/m<sup>2</sup> basis. In a rabbit study, no adverse effects on embryo/fetal development were observed at doses of racemic citalopram of up to 16 mg/kg/day, or approximately 5 times the MRHD on a mg/m<sup>2</sup> basis. Thus, developmental and maternal toxicity (clinical signs and decreased body weight gain) were not observed in the rabbit.

When female rats were treated with racemic citalopram (4.8, 12.8, or 32 mg/kg/day) from late gestation through weaning, increased offspring mortality during the first 4 days after birth and persistent offspring growth retardation were observed at the highest dose, which is approximately 5 times the MRHD of 60 mg on a mg/m<sup>2</sup> basis. The no-effect dose was 12.8 mg/kg/day or approximately 2 times the MRHD on a mg/m<sup>2</sup> basis. Similar effects on offspring mortality and growth were seen when dams were treated throughout gestation and early lactation at doses ≥ 24 mg/kg/day, approximately 4 times the MRHD on a mg/m<sup>2</sup> basis. A no-effect dose was not determined at this study.

**8.2 Lactation**

**Risk Summary**

Data from the published literature report the presence of escitalopram and desmethylescitalopram in human milk (see *Data*). There are reports of excessive sedation, restlessness, agitation, poor feeding and poor weight gain in infants exposed to escitalopram through breast milk. Healthcare providers should be advised that escitalopram or its metabolites on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for escitalopram and any potential adverse effects to the breastfed child from escitalopram or from the underlying maternal condition.

**Clinical Considerations**

Infants exposed to escitalopram should be monitored for excess sedation, restlessness, agitation, poor feeding and poor weight gain.

**Data**

A study of 8 nursing mothers who were treated with daily doses of 10-20 mg/day showed that exclusively breast-fed infants receive approximately 3.9% of the maternal weight-adjusted dose of escitalopram and 1.7% of the maternal weight-adjusted dose of desmethylcitalopram.

**8.4 Pediatric Use**

The safety and effectiveness of escitalopram have been established in adolescents (12 to 17 years of age) for the treatment of major depressive disorder (see *Clinical Studies (14.1)*). Although maintenance efficacy in adolescent patients with major depressive disorder has not been systematically evaluated, maintenance efficacy can be extrapolated from adult data along with comparisons of escitalopram pharmacokinetic parameters in adults and adolescent patients. The safety and effectiveness of escitalopram have not been established in pediatric (younger than 12 years of age) patients with major depressive disorder. In a 24-week, open-label safety study in 118 children (aged 7 to 11 years) who had major depressive disorder, the safety findings were consistent with the known safety and tolerability profile for escitalopram. Safety and effectiveness of escitalopram has not been established in pediatric patients less than 18 years of age with Generalized Anxiety Disorder.

Decreased appetite and weight loss have been observed in association with the use of SSRIs. Consequently, regular monitoring of weight and growth should be performed in children and adolescents treated with an SSRI such as escitalopram.

**8.5 Geriatric Use**

Approximately 6% of the 1144 patients receiving escitalopram in controlled trials of escitalopram in major depressive disorder and GAD were 65 years of age or older; elderly patients in these trials received daily doses of escitalopram between 10 and 20 mg. The number of elderly patients in these trials was insufficient to adequately assess for possible differential efficacy and safety measures on the basis of age. Nevertheless, greater sensitivity of some elderly individuals to effects of escitalopram cannot be ruled out.

SSRIs and SNRIs, including escitalopram, have been associated with cases of clinically significant hyponatremia in elderly patients, who may be at greater risk for this adverse event (see *Hypонатremia (5.6)*).

In two pharmacokinetic studies, escitalopram half-life was increased by approximately 95-10% in elderly subjects as compared to young subjects and C<sub>max</sub> was unchanged (See *Clinical Pharmacology (12.3)*). 10 mg/day is the recommended dose for elderly patients (See *Dosage and Administration (2.3)*).

Of 4422 patients in clinical studies of racemic citalopram, 1357 were 60 and over, 1034 were 65 and over, and 457 were 75 and over. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but age, greater sensitivity of some elderly individuals cannot be ruled out.

**9 DRUG ABUSE AND DEPENDENCE**

**9.2 Abuse and Dependence**

**Physical and Psychological Dependence**

Animal studies suggested that the abuse liability of racemic citalopram is low. Escitalopram has not been systematically studied in humans for its potential for abuse, tolerance, or physical dependence. The premarketing clinical experience with escitalopram did not reveal any drug-seeking behavior. However, these observations were not systematic and it is not possible to predict on the basis of this limited experience the extent to which a CNS-active drug will be misused, diverted, and/or abused once marketed. Consequently, physicians should carefully evaluate escitalopram patients for history of drug abuse and follow such patients closely, observing them for signs of misuse or abuse (e.g., development of tolerance, increments of doses, drug-seeking behavior).

**10 OVER**