

**Bupropion Hydrochloride
Extended-release Tablets,
USP (SR)**
068-2023-06
2102121

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use BUPROPION HYDROCHLORIDE EXTENDED-RELEASE TABLETS (SR) safely and effectively. See full prescribing information for BUPROPION HYDROCHLORIDE EXTENDED-RELEASE TABLETS (SR).

BUPROPION HYDROCHLORIDE extended-release tablets (SR), for oral use
Initial U.S. Approval: 1995

WARNING: SUICIDAL THOUGHTS AND BEHAVIORS

See full prescribing information for complete boxed warning.

- Increased risk of suicidal thinking and behavior in children, adolescents and young adults taking antidepressants. (5.1)
- Monitor for worsening and emergence of suicidal thoughts and behaviors. (5.1)

INDICATIONS AND USAGE

Bupropion hydrochloride extended-release tablets (SR) are an indication and are indicated for the treatment of major depressive disorder (MDD). (1)

DOSE AND ADMINISTRATION

- Starting dose: 150 mg/day. (2.1)
- General: Increase dose gradually to reduce seizure risk. (2.1, 5.3)
- After 5 days, may increase the dose to 300 mg/day, given as 150 mg twice daily at an interval of at least 8 hours. (2.1)
- Usual target dose: 300 mg/day as 150 mg twice daily. (2.1)
- Maximum dose: 400 mg/day, given as 200 mg twice daily, for patients not responding to 300 mg/day. (2.1)
- Periodically reassess the need for maintenance treatment. (2.1)
- Moderate to severe hepatic impairment: 100 mg daily or 150 mg every other day. (2.2, 8.7)
- Mild hepatic impairment: Consider reducing the dose and/or frequency of dosing. (2.2, 8.7)
- Renal impairment: Consider reducing the dose and/or frequency. (2.2, 8.8)

DOSEAGE FORMS AND STRENGTHS

Tablets: 100 mg, 150 mg, 200 mg. (3)

CONTRAINDICATIONS

- Seizure disorder. (4.3, 5.3)
- Current or prior diagnosis of bulimia or anorexia nervosa. (4.3, 5.3)
- Abrupt discontinuation of alcohol, benzodiazepines, barbiturates, antipsychotic drugs. (4.3, 5.3)
- Monooamine oxidase inhibitors (MAOIs): Do not use MAOIs intended to treat psychiatric disorders with bupropion hydrochloride extended-release tablets (SR) or within 14 days of stopping bupropion hydrochloride extended-release tablets (SR). In addition, do not start bupropion hydrochloride extended-release tablets (SR) in a patient who is being treated with linezolid or intravenous methylene blue. (4.3, 5.8)
- Known hypersensitivity to bupropion or any ingredients of bupropion hydrochloride extended-release tablets (SR). (4.3, 5.8)

FULL PRESCRIBING INFORMATION: CONTENTS*

WARNING: SUICIDAL THOUGHTS AND BEHAVIORS

1 INDICATIONS AND USAGE

2 DOSEAGE AND ADMINISTRATION

3 DOSEAGE FORMS AND STRENGTHS

4 CONTRAINDICATIONS

5 WARNINGS AND PRECAUTIONS

6 ADVERSE REACTIONS

7 DRUG INTERACTIONS

8 USE IN SPECIFIC POPULATIONS

9 DRUG ABUSE AND DEPENDENCE

10 OVERDOSAGE

11 DESCRIPTION

12 CLINICAL PHARMACOLOGY

13 NONCLINICAL TOXICOLOGY

14 CLINICAL STUDIES

15 HOW SUPPLIED/STORAGE AND HANDLING

16 PATIENT COUNSELING INFORMATION

17 REFERENCES

18 SUPPLEMENTAL CLINICAL STUDIES

19 OTHER PATENT INFORMATION

20 TRADEMARKS

21 OTHER PATENT INFORMATION

22 OTHER PATENT INFORMATION

23 OTHER PATENT INFORMATION

24 OTHER PATENT INFORMATION

25 OTHER PATENT INFORMATION

26 OTHER PATENT INFORMATION

27 OTHER PATENT INFORMATION

28 OTHER PATENT INFORMATION

29 OTHER PATENT INFORMATION

30 OTHER PATENT INFORMATION

31 OTHER PATENT INFORMATION

32 OTHER PATENT INFORMATION

33 OTHER PATENT INFORMATION

34 OTHER PATENT INFORMATION

35 OTHER PATENT INFORMATION

36 OTHER PATENT INFORMATION

37 OTHER PATENT INFORMATION

38 OTHER PATENT INFORMATION

39 OTHER PATENT INFORMATION

40 OTHER PATENT INFORMATION

41 OTHER PATENT INFORMATION

42 OTHER PATENT INFORMATION

43 OTHER PATENT INFORMATION

44 OTHER PATENT INFORMATION

45 OTHER PATENT INFORMATION

46 OTHER PATENT INFORMATION

47 OTHER PATENT INFORMATION

48 OTHER PATENT INFORMATION

49 OTHER PATENT INFORMATION

50 OTHER PATENT INFORMATION

51 OTHER PATENT INFORMATION

52 OTHER PATENT INFORMATION

53 OTHER PATENT INFORMATION

54 OTHER PATENT INFORMATION

55 OTHER PATENT INFORMATION

56 OTHER PATENT INFORMATION

57 OTHER PATENT INFORMATION

58 OTHER PATENT INFORMATION

59 OTHER PATENT INFORMATION

60 OTHER PATENT INFORMATION

61 OTHER PATENT INFORMATION

62 OTHER PATENT INFORMATION

63 OTHER PATENT INFORMATION

64 OTHER PATENT INFORMATION

65 OTHER PATENT INFORMATION

66 OTHER PATENT INFORMATION

67 OTHER PATENT INFORMATION

68 OTHER PATENT INFORMATION

69 OTHER PATENT INFORMATION

70 OTHER PATENT INFORMATION

71 OTHER PATENT INFORMATION

72 OTHER PATENT INFORMATION

73 OTHER PATENT INFORMATION

74 OTHER PATENT INFORMATION

75 OTHER PATENT INFORMATION

76 OTHER PATENT INFORMATION

77 OTHER PATENT INFORMATION

78 OTHER PATENT INFORMATION

79 OTHER PATENT INFORMATION

80 OTHER PATENT INFORMATION

81 OTHER PATENT INFORMATION

82 OTHER PATENT INFORMATION

83 OTHER PATENT INFORMATION

84 OTHER PATENT INFORMATION

85 OTHER PATENT INFORMATION

86 OTHER PATENT INFORMATION

87 OTHER PATENT INFORMATION

88 OTHER PATENT INFORMATION

89 OTHER PATENT INFORMATION

90 OTHER PATENT INFORMATION

91 OTHER PATENT INFORMATION

92 OTHER PATENT INFORMATION

93 OTHER PATENT INFORMATION

94 OTHER PATENT INFORMATION

95 OTHER PATENT INFORMATION

96 OTHER PATENT INFORMATION

97 OTHER PATENT INFORMATION

98 OTHER PATENT INFORMATION

99 OTHER PATENT INFORMATION

100 OTHER PATENT INFORMATION

101 OTHER PATENT INFORMATION

102 OTHER PATENT INFORMATION

103 OTHER PATENT INFORMATION

104 OTHER PATENT INFORMATION

105 OTHER PATENT INFORMATION

106 OTHER PATENT INFORMATION

107 OTHER PATENT INFORMATION

108 OTHER PATENT INFORMATION

109 OTHER PATENT INFORMATION

110 OTHER PATENT INFORMATION

111 OTHER PATENT INFORMATION

112 OTHER PATENT INFORMATION

113 OTHER PATENT INFORMATION

114 OTHER PATENT INFORMATION

115 OTHER PATENT INFORMATION

116 OTHER PATENT INFORMATION

117 OTHER PATENT INFORMATION

118 OTHER PATENT INFORMATION

119 OTHER PATENT INFORMATION

120 OTHER PATENT INFORMATION

121 OTHER PATENT INFORMATION

122 OTHER PATENT INFORMATION

123 OTHER PATENT INFORMATION

124 OTHER PATENT INFORMATION

125 OTHER PATENT INFORMATION

126 OTHER PATENT INFORMATION

127 OTHER PATENT INFORMATION

128 OTHER PATENT INFORMATION

129 OTHER PATENT INFORMATION

130 OTHER PATENT INFORMATION

131 OTHER PATENT INFORMATION

132 OTHER PATENT INFORMATION

133 OTHER PATENT INFORMATION

134 OTHER PATENT INFORMATION

135 OTHER PATENT INFORMATION

136 OTHER PATENT INFORMATION

137 OTHER PATENT INFORMATION

138 OTHER PATENT INFORMATION

139 OTHER PATENT INFORMATION

140 OTHER PATENT INFORMATION

141 OTHER PATENT INFORMATION

142 OTHER PATENT INFORMATION

143 OTHER PATENT INFORMATION

144 OTHER PATENT INFORMATION

145 OTHER PATENT INFORMATION

146 OTHER PATENT INFORMATION

147 OTHER PATENT INFORMATION

148 OTHER PATENT INFORMATION

149 OTHER PATENT INFORMATION

150 OTHER PATENT INFORMATION

151 OTHER PATENT INFORMATION

152 OTHER PATENT INFORMATION

153 OTHER PATENT INFORMATION

154 OTHER PATENT INFORMATION

155 OTHER PATENT INFORMATION

156 OTHER PATENT INFORMATION

157 OTHER PATENT INFORMATION

158 OTHER PATENT INFORMATION

159 OTHER PATENT INFORMATION

160 OTHER PATENT INFORMATION

161 OTHER PATENT INFORMATION

162 OTHER PATENT INFORMATION

163 OTHER PATENT INFORMATION

164 OTHER PATENT INFORMATION

165 OTHER PATENT INFORMATION

166 OTHER PATENT INFORMATION

167 OTHER PATENT INFORMATION

168 OTHER PATENT INFORMATION

169 OTHER PATENT INFORMATION

170 OTHER PATENT INFORMATION

171 OTHER PATENT INFORMATION

172 OTHER PATENT INFORMATION

173 OTHER PATENT INFORMATION

174 OTHER PATENT INFORMATION

175 OTHER PATENT INFORMATION

176 OTHER PATENT INFORMATION

177 OTHER PATENT INFORMATION

178 OTHER PATENT INFORMATION

179 OTHER PATENT INFORMATION

180 OTHER PATENT INFORMATION

181 OTHER PATENT INFORMATION

182 OTHER PATENT INFORMATION

183 OTHER PATENT INFORMATION

184 OTHER PATENT INFORMATION

185 OTHER PATENT INFORMATION

186 OTHER PATENT INFORMATION

187 OTHER PATENT INFORMATION

188 OTHER PATENT INFORMATION

189 OTHER PATENT INFORMATION

190 OTHER PATENT INFORMATION

191 OTHER PATENT INFORMATION

192 OTHER PATENT INFORMATION

193 OTHER PATENT INFORMATION

194 OTHER PATENT INFORMATION

195 OTHER PATENT INFORMATION

196 OTHER PATENT INFORMATION

197 OTHER PATENT INFORMATION

198 OTHER PATENT INFORMATION

199 OTHER PATENT INFORMATION

200 OTHER PATENT INFORMATION

201 OTHER PATENT INFORMATION

202 OTHER PATENT INFORMATION

203 OTHER PATENT INFORMATION

204 OTHER PATENT INFORMATION

205 OTHER PATENT INFORMATION

206 OTHER PATENT INFORMATION

207 OTHER PATENT INFORMATION

208 OTHER PATENT INFORMATION

209 OTHER PATENT INFORMATION

210 OTHER PATENT INFORMATION

211 OTHER PATENT INFORMATION

212 OTHER PATENT INFORMATION

213 OTHER PATENT INFORMATION

214 OTHER PATENT INFORMATION

215 OTHER PATENT INFORMATION

216 OTHER PATENT INFORMATION

217 OTHER PATENT INFORMATION

218 OTHER PATENT INFORMATION

219 OTHER PATENT INFORMATION

220 OTHER PATENT INFORMATION

221 OTHER PATENT INFORMATION

222 OTHER PATENT INFORMATION

223 OTHER PATENT INFORMATION

224 OTHER PATENT INFORMATION

225 OTHER PATENT INFORMATION

226 OTHER PATENT INFORMATION

227 OTHER PATENT INFORMATION

228 OTHER PATENT INFORMATION

229 OTHER PATENT INFORMATION

230 OTHER PATENT INFORMATION

231 OTHER PATENT INFORMATION

232 OTHER PATENT INFORMATION

233 OTHER PATENT INFORMATION

234 OTHER PATENT INFORMATION

235 OTHER PATENT INFORMATION

236 OTHER PATENT INFORMATION

237 OTHER PATENT INFORMATION

238 OTHER PATENT INFORMATION

239 OTHER PATENT INFORMATION

240 OTHER PATENT INFORMATION

241 OTHER PATENT INFORMATION

242 OTHER PATENT INFORMATION

243 OTHER PATENT INFORMATION

244 OTHER PATENT INFORMATION

245 OTHER PATENT INFORMATION

- drink a lot of alcohol and abruptly stop drinking, or use medicines called sedatives (these make you sleepy), benzodiazepines, or anti-seizure medicines, and you stop using them all of a sudden.
- take a monoamine oxidase inhibitor (MAOI). Ask your healthcare provider or pharmacist if you are not sure if you take an MAOI, including the antibiotic linezolid.
 - o do not take an MAOI within 2 weeks of stopping bupropion hydrochloride extended-release tablets (SR) unless directed to do so by your healthcare provider.
 - o do not start bupropion hydrochloride extended-release tablets (SR) if you stopped taking an MAOI in the last 2 weeks unless directed to do so by your healthcare provider.
- are allergic to the active ingredient in bupropion hydrochloride extended-release tablets (SR), bupropion, or to any of the inactive ingredients. See the end of this Medication Guide for a complete list of ingredients in bupropion hydrochloride extended-release tablets (SR).

What should I tell my healthcare provider before taking bupropion hydrochloride extended-release tablets (SR)?
Tell your healthcare provider if you have ever had depression, suicidal thoughts or actions, or other mental health problems. See "Antidepressant Medicines, Depression and Other Serious Mental Illnesses, and Suicidal Thoughts or Actions."

- Tell your healthcare provider about your other medical conditions including if you:
 - o have liver problems, especially cirrhosis of the liver.
 - o have kidney problems.
 - o have, or have had, an eating disorder, such as anorexia nervosa or bulimia.
 - o have had a head injury.
 - o have had a seizure (convulsion, fit).
 - o have a tumor in your nervous system (brain or spine).
 - o have had a heart attack, heart problems, or high blood pressure.
 - o are a diabetic taking insulin or other medicines to control your blood sugar.
 - o drink alcohol.
 - o abuse prescription medicines or street drugs.
 - o are pregnant or plan to become pregnant. Talk to your healthcare provider about the risk to your unborn baby if you take bupropion hydrochloride extended-release tablets (SR) during pregnancy.
 - o Tell your healthcare provider if you become pregnant or think you are pregnant during treatment with bupropion hydrochloride extended-release tablets (SR).
 - o If you become pregnant during treatment with bupropion hydrochloride extended-release tablets (SR), talk to your healthcare provider about registering with the National Pregnancy Registry for Antidepressants. You can register by calling 1-844-405-6185.
 - o are breastfeeding or plan to breastfeed during treatment with bupropion hydrochloride extended-release tablets (SR). Bupropion hydrochloride passes into your milk. Talk to your healthcare provider about the best way to feed your baby during treatment with bupropion hydrochloride extended-release tablets (SR).

Tell your healthcare provider about all the medicines you take, including prescription, over-the-counter medicines, vitamins, and herbal supplements. Many medicines increase your chances of having seizures or other serious side effects if you take them while you are taking bupropion hydrochloride extended-release tablets (SR).

- How should I take bupropion hydrochloride extended-release tablets (SR)?**
 - Take bupropion hydrochloride extended-release tablets (SR) exactly as prescribed by your healthcare provider. Do not change your dose or stop taking bupropion hydrochloride extended-release tablets (SR) without talking to your healthcare provider first.
 - Swallow bupropion hydrochloride extended-release tablets (SR) whole. Do not chew, cut, or crush bupropion hydrochloride extended-release tablets (SR). If you do, the medicine will be released into your body too quickly. If this happens you may be more likely to get side effects including seizures. Tell your healthcare provider if you cannot swallow tablets.
 - Bupropion hydrochloride extended-release tablets (SR) may have an odor. This is normal.
 - Take bupropion hydrochloride extended-release tablets (SR) at the same time each day.
 - Take your doses of bupropion hydrochloride extended-release tablets (SR) at least 8 hours apart.
 - You may take bupropion hydrochloride extended-release tablets (SR) with or without food.
 - If you miss a dose, do not take an extra dose to make up for the dose you missed. Wait and take your next dose at the regular time. This is very important. Too much bupropion hydrochloride extended-release tablets (SR) can increase your chance of having a seizure.
 - If you take too much bupropion hydrochloride extended-release tablets (SR), or overdose, call your local emergency room or poison control center right away.
- Do not take any other medicines while taking bupropion hydrochloride extended-release tablets (SR) unless your healthcare provider has told you it is okay.**
- If you are taking bupropion hydrochloride extended-release tablets (SR) for the treatment of major depressive disorder, it may take several weeks for you to feel that bupropion hydrochloride extended-release tablets (SR) is working. Once you feel better, it is important to keep taking bupropion hydrochloride extended-release tablets (SR) exactly as directed by your healthcare provider. Call your healthcare provider if you do not feel bupropion hydrochloride extended-release tablets (SR) is working for you.

- What should I avoid while taking bupropion hydrochloride extended-release tablets (SR)?**
 - Limit or avoid using alcohol during treatment with bupropion hydrochloride extended-release tablets (SR). If you usually drink a lot of alcohol, talk with your healthcare provider before suddenly stopping. If you suddenly stop drinking alcohol, you may increase your chance of having seizures.
 - Do not drive a car or use heavy machinery until you know how bupropion hydrochloride extended-release tablets (SR) affect you. Bupropion hydrochloride extended-release tablets (SR) can affect your ability to do these things safely.

What are possible side effects of bupropion hydrochloride extended-release tablets (SR)?
Bupropion hydrochloride extended-release tablets (SR) can cause serious side effects. See the sections at the beginning of this Medication Guide for information about serious side effects of bupropion hydrochloride extended-release tablets (SR).

- The most common side effects of bupropion hydrochloride extended-release tablets (SR) include:
 - headache
 - dry mouth
 - nausea
 - trouble sleeping
 - dizziness
 - sore throat
 - constipation

If you have nausea, take your medicine with food. If you have trouble sleeping, do not take your medicine too close to bedtime.

Tell your healthcare provider right away about any side effects that bother you.
These are not all the possible side effects of bupropion hydrochloride extended-release tablets (SR). For more information, ask your healthcare provider or pharmacist.
Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

- You may also report side effects to Amnora Pharma Private Limited at 1-866-495-1995.
- How should I store bupropion hydrochloride extended-release tablets (SR)?**
 - Store bupropion hydrochloride extended-release tablets (SR) at room temperature between 68°F and 77°F (20°C to 25°C).
 - Keep bupropion hydrochloride extended-release tablets (SR) dry and out of the light.

Keep bupropion hydrochloride extended-release tablets (SR) and all medicines out of the reach of children.

General information about the safe and effective use of bupropion hydrochloride extended-release tablets (SR).
Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use bupropion hydrochloride extended-release tablets (SR) for a condition for which it was not prescribed. Do not give bupropion hydrochloride extended-release tablets (SR) to other people, even if they have the same symptoms you have. They may harm them.

If you take a urine drug screening test, bupropion hydrochloride extended-release tablets (SR) may make the test result positive for amphetamines. If you tell the person giving you the drug screening test that you are taking bupropion hydrochloride extended-release tablets (SR), they can do a more specific drug screening test that should not have this problem.

This Medication Guide summarizes important information about bupropion hydrochloride extended-release tablets (SR). If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about bupropion hydrochloride extended-release tablets (SR) that is written for healthcare professionals.
For more information about bupropion hydrochloride extended-release tablets (SR), call 1-866-495-1995.

What are the ingredients in bupropion hydrochloride extended-release tablets (SR)?
Active ingredient: bupropion hydrochloride USP.

Inactive ingredients: colloidal silicon dioxide, diluted hydrochloric acid, hypromellose, magnesium stearate, microcrystalline cellulose, polyethylene glycol, polysorbate 80, sodium stearyl fumarate, titanium dioxide and is printed with edible black ink. In addition, the 100 mg tablet contains FD&C Red #40, the 150 mg tablet contains FD&C Blue #1 and D&C Yellow #10 Lake and the 200 mg tablet contains D&C Yellow #10 Lake.

The brands listed are trademarks of their respective owners and are not trademarks of the Amnora Pharma Private Limited.

This Medication Guide has been approved by the U.S. Food and Drug Administration.
Medication Guide available at <http://camberpharma.com/medication-guides>



Manufactured for:
Camber Pharmaceuticals, Inc.
Piscataway, NJ 08854

By: Amnora Pharma Pvt. Ltd.
Sangareddy - 502313, Telangana, India.

Revised: 06/2023

Carbamazepine, Phenytoin, Phenylen: While not systematically studied, these drugs may increase the metabolism of bupropion and may decrease bupropion exposure. *See Clinical Pharmacology (12.3).* If bupropion is used concomitantly with a CYP1B2 inducer, it may be necessary to increase the dose of bupropion. *See Clinical Pharmacology (12.3).*

7.2 Potential for Bupropion Hydrochloride Extended-Release Tablets (SR) to Affect Other Drugs
Drug Metabolism by CYP2D6
Bupropion and its metabolites (erythrohydrobupropion, threohydrobupropion, hydroxybupropion) are CYP2D6 inhibitors. Therefore, coadministration of bupropion hydrochloride extended-release tablets (SR) with drugs that are metabolized by CYP2D6 can increase exposure to those drugs that are substrates of CYP2D6. Such drugs include certain antidepressants (i.e., venlafaxine, nortriptyline, imipramine, desipramine, paroxetine, fluoxetine, and sertraline), antipsychotics (e.g., haloperidol, risperidone, thioridazole, beta-blockers (e.g., metoprolol), and Type 1C antiarrhythmics (e.g., propafenone and flecainide). When taken concomitantly with bupropion hydrochloride extended-release tablets (SR), it may be necessary to decrease the dose of these CYP2D6 substrates, particularly for drugs with a narrow therapeutic index.

Drugs that require metabolic activation by CYP2D6 to be effective (e.g., tamoxifen) theoretically could have reduced efficacy when administered concomitantly with bupropion hydrochloride extended-release tablets (SR) and such drugs may require increased doses of the drug. *See Clinical Pharmacology (12.3).*

Digoxin
Coadministration of bupropion hydrochloride extended-release tablets (SR) with digoxin may decrease plasma digoxin levels. Monitor plasma digoxin levels in patients treated concomitantly with bupropion hydrochloride extended-release tablets (SR) and digoxin. *See Clinical Pharmacology (12.3).*

7.3 Drugs that Lower Seizure Threshold
Use extreme caution when coadministering bupropion hydrochloride extended-release tablets (SR) with other drugs that lower seizure threshold (e.g., other bupropion products, antipsychotics, antidepressants, theophylline, or systemic corticosteroids). Use low initial doses and increase the dose gradually. *See Contraindications (4), Warnings and Precautions (5.2), and Adverse Reactions (6.2).*

7.4 Dopaminergic Drugs (Levodopa and Amantadine)
Bupropion, levodopa, and amantadine have dopamine agonist effects. CNS toxicity has been reported when bupropion was coadministered with levodopa or amantadine. Adverse reactions have included restlessness, agitation, tremor, ataxia, gait disturbance, vertigo, and dizziness. It is presumed that the toxicity results from excessive dopamine agonist effects. Use caution when administering bupropion hydrochloride extended-release tablets (SR) concomitantly with these drugs.

7.5 Use with Alcohol
In postmarketing experience, there have been rare reports of adverse neurophysiologic events or reduced alcohol tolerance in patients who were drinking alcohol during treatment with bupropion hydrochloride extended-release tablets (SR). The consumption of alcohol during treatment with bupropion hydrochloride extended-release tablets (SR) should be minimized or avoided.

7.6 MAO Inhibitors
Bupropion inhibits the reuptake of dopamine and norepinephrine. Concomitant use of MAOIs and bupropion is contraindicated because there is an increased risk of hypertensive reactions if bupropion is used concomitantly with MAOIs. Studies in animals demonstrated that the acute toxicity of bupropion is enhanced by the MAO inhibitor phenelzine. At least 14 days should elapse after discontinuation of an MAOI intended to treat depression and initiation of treatment with bupropion hydrochloride extended-release tablets (SR). Conversely, at least 14 days should be allowed after stopping bupropion hydrochloride extended-release tablets (SR) before starting an MAOI antidepressant. *See Dosage and Administration (2.2), Contraindications (4), and Adverse Reactions (6.2).*

7.7 Drug Laboratory Test Interactions
False-positive urine immunoassay screening tests for amphetamines have been reported in patients taking bupropion. This is due to lack of specificity of some screening tests. False-positive test results may result even following discontinuation of bupropion therapy. Confirmatory tests, such as gas chromatography/mass spectrometry or chromatography/bupropion from amphetamines.

8 USES/SPECIFIC POPULATIONS
8.1 Pregnancy
Pregnancy Exposure Registry
There is an ongoing pregnancy exposure registry that monitors pregnancy outcomes in women exposed to any 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.nationalpregnancyregistry.org/register>.

Risk Summary
Data from epidemiological studies of pregnant women exposed to bupropion in the first trimester have not identified an increased risk of congenital malformations overall. There are risks to the mother associated with untreated depression in pregnancy. *See Clinical Considerations.* When bupropion was administered to pregnant rats during organogenesis, there was no evidence of fetal malformations at doses up to approximately 11 times the maximum recommended human dose (MRHD). However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See Animal Data.*

The estimated background risk for major birth defects and miscarriage is unknown for the indicated population. 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 of miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Clinical Considerations
Clinical Considerations: Neonatal and Embryo/Fetal Risk
A prospective, longitudinal study followed 201 pregnant women with a history of major depressive disorder who were euthymic and taking antidepressants during pregnancy at the beginning of pregnancy. The women who discontinued antidepressants during pregnancy were more likely to experience a relapse of major depression than women who continued antidepressants. Consider the risks to the mother of untreated depression and potential effects on the fetus when discontinuing or changing treatment with antidepressant medications during pregnancy and postpartum.

Data
Amnora Data: Data from the international bupropion Pregnancy Registry (PREG) first trimester exposure and a retrospective cohort study using the United States Food and Drug Administration (FDA) Pregnancy Registry (PREG) database indicated that there was no increased risk for malformations overall. The Registry was not designed or powered to evaluate specific defects but suggested a possible increase in cardiac malformations.

No increased risk for cardiovascular malformations overall has been observed after bupropion exposure during the first trimester. The prospectively observed rate of cardiovascular malformations was similar to that observed in the first trimester from the International Pregnancy Registry which was 1.3% of cardiovascular malformations/575 first trimester maternal bupropion exposures, which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which had a limited number of exposed cases with cardiovascular malformations, also showed no increased risk for malformations. However, there was an increase in the number of fetuses with non-cardiovascular malformations of fetal malformations, and skeletal variations were observed at doses approximately equal to the MRHD and greater. Decreased fetal weights were seen at doses twice the MRHD and greater. *See*