

or benzodiazepines, or anti-seizure medicines, and you stop taking 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.
 - do not take an MAOI within 2 weeks of stopping bupropion hydrochloride extended-release tablets (XL) unless directed to do so by your healthcare provider.**
 - do not start bupropion hydrochloride extended-release tablets (XL) 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 (XL), 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 (XL).

What should I tell my healthcare provider before taking bupropion hydrochloride extended-release tablets (XL)?

Tell your healthcare provider if you have ever had depression, suicidal thoughts or actions, or other mental health problems. You should also tell your healthcare provider about any symptoms you had during other times you tried to quit smoking, with or without bupropion hydrochloride extended-release tablets (XL). See “Quitting Smoking, Quit-Smoking Medications, Changes in Thinking and Behavior, Depression, and Suicidal Thoughts or Actions.”

- Tell your healthcare provider about your other medical conditions, including if you:**
 - have liver problems, especially cirrhosis of the liver.
 - have kidney problems.
 - have, or have had, an eating disorder such as anorexia nervosa or bulimia.
 - have had a head injury.
 - have had a seizure (convulsion, fit).
 - have a tumor in your nervous system (brain or spine).
 - have had a heart attack, heart problems, or high blood pressure.
 - are a diabetic taking insulin or other medicines to control your blood sugar.
 - drink alcohol.
 - abuse prescription medicines or street drugs.
 - 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 (XL) during pregnancy.

- Tell your healthcare provider if you become pregnant or think you are pregnant during treatment with bupropion hydrochloride extended-release tablets (XL).
 - if you become pregnant during treatment with bupropion hydrochloride extended-release tablets (XL), talk to your healthcare provider about registering with the National Pregnancy Registry for Antidepressants. You can register by calling 1-844-405-6185.
 - are breastfeeding or plan to breastfeed during treatment with bupropion hydrochloride extended-release tablets (XL). 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 (XL).

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 (XL).
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How should I take bupropion hydrochloride extended-release tablets (XL)?

- Take bupropion hydrochloride extended-release tablets (XL) exactly as prescribed by your healthcare provider. Do not change your dose or stop taking bupropion hydrochloride extended-release tablets (XL) without talking with your healthcare provider first.
- Swallow bupropion hydrochloride extended-release tablets (XL) whole. Do not chew, cut, or crush bupropion hydrochloride extended-release tablets (XL).** 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 (XL) may have an odor. This is normal.
- Take your doses of bupropion hydrochloride extended-release tablets (XL) at least 8 hours apart.
- You may take bupropion hydrochloride extended-release tablets (XL) 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 (XL) can increase your chance of having a seizure.
- If you take too much bupropion hydrochloride extended-release tablets (XL), 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 (XL) unless your healthcare provider has told you it is okay.**

- If you are taking bupropion hydrochloride extended-release tablets (XL) for the treatment of major depressive disorder, it may take several weeks for you to feel that bupropion hydrochloride extended-release tablets (XL) are working. Once you feel better, it is important to keep taking bupropion hydrochloride extended-release tablets (XL) exactly as directed by your healthcare provider. Call your healthcare provider if you do not feel bupropion hydrochloride extended-release tablets (XL) are working for you.

What should I avoid while taking bupropion hydrochloride extended-release tablets (XL)?

- Limit or avoid using alcohol during treatment with bupropion hydrochloride extended-release tablets (XL). 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 (XL) affects you. Bupropion hydrochloride extended-release tablets (XL) can affect your ability to do these things safely.

What are possible side effects of bupropion hydrochloride extended-release tablets (XL)?

Bupropion hydrochloride extended-release tablets (XL) 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 (XL).

The most common side effects of bupropion hydrochloride extended-release tablets (XL) include:

- trouble sleeping
- stuffy nose
- dry mouth
- dizziness
- feeling anxious
- nausea
- constipation
- joint aches

If you have trouble sleeping, do not take bupropion hydrochloride extended-release tablets (XL) 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 (XL). 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 Sinotherapeutics Inc. at 1-877-382-6787 and/or at safety@sinotherapeutics.com.

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Changes in Body Weight

Table 5 presents the incidence of body weight changes (≥ 5 lbs) in the short-term MDD trials using bupropion HCl sustained-release. There was a dose-related decrease in body weight.

Table 5: Incidence of Weight Gain or Weight Loss (≥ 5 lbs) in MDD Trials Using Bupropion HCl Sustained-Release

Weight Change	Bupropion HCl Sustained-Release 300 mg/day (n=339)	Bupropion HCl Sustained-Release 400 mg/day (n=112)	Placebo (n=347)
Gain ≥ 5 lbs	3%	2%	4%
Lost ≥ 5 lbs	14%	19%	6%

Table 6 presents the incidence of body weight changes (≥ 5 lbs) in the 3 SAD trials using bupropion HCl extended-release. A higher proportion of subjects in the bupropion group (23%) had a weight loss ≥ 5 lbs, compared to the placebo group (11%). These were relatively long-term trials (up to 6 months).

Table 6: Incidence of Weight Gain or Weight Loss (≥ 5 lbs) in SAD Trials Using Bupropion HCl Extended-Release

Weight Change	Bupropion HCl Extended-Release 150 mg/day (n=537)	Placebo (n=511)
Gain ≥ 5 lbs	11%	21%
Lost ≥ 5 lbs	23%	11%

6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of bupropion hydrochloride extended-release tablets (XL). Because these reactions are reported voluntarily from a population of uncertain size, their frequency cannot be estimated reliably. Some reactions may be causal or coincidental to drug exposure.

Body (General)
Chills, facial edema, edema, peripheral edema, musculoskeletal chest pain, photosensitivity, and malaise.

Cardiovascular
Pectoral hypertension, hypertension, stroke, vasodilation, syncope, complete atrioventricular block, extrasystoles, myocardial infarction, angitis, and pulmonary embolism.

Digestive
Abnormal liver function, bruising, gastric reflux, gingivitis, glossitis, increased salivation, jaundice, mouth ulcers, stomatitis, throat, edema of tongue, colitis, esophagitis, gastrointestinal hemorrhage, gum hemorrhage, hepatitis, intestinal perforation, liver failure, pancreatitis, and stomach ulcer.

Endocrine
Hypocalemia, hypoglycemia, and syndrome of inappropriate antidiuretic hormone secretion.

Hemic and Lymphatic
Eosinophilia, anemia, leukocytosis, leukopenia, lymphadenopathy, pancytopenia, and thrombocytopenia. Altered PT and/or INR, associated with hemorrhagic or thrombotic complications, were observed when bupropion was administered with warfarin.

Metabolic and Nutritional
Glycosuria.

Musculoskeletal
Leg cramps, fever/rhabdomyolysis, and muscle weakness.

Nervous System
Abnormal coordination, depersonalization, emotional lability, hyperkinesia, hypokinesia, hyperesthesia, vertigo, and decreased sensation.

Respiratory
Bronchospasm and pneumonia.

Skin
Maculopapular rash, alopecia, angioedema, exfoliative dermatitis, and hirsutism.

Special Senses
Accommodation abnormality, dry eye, deafness, increased intraocular pressure, angle-closure glaucoma, and mydriasis.

Urogenital
Impotence, polyuria, prostate disorder, abnormal ejaculation, cystitis, dyspareunia, dysuria, gynecomastr, menopause, painful erection, oliguria, urinary incontinence, urinary retention, and vaginitis.

7 DRUG INTERACTIONS

7.1 Potential for Other Drugs to Affect Bupropion Hydrochloride
Bupropion is primarily metabolized to hydroxybupropion by CYP2B6. Therefore, the potential exists for drug interactions between bupropion hydrochloride and drugs that are inhibitors or inducers of CYP2B6.

Inhibitors of CYP2B6
Ticlopidine and Clopidogrel: Concomitant treatment with these drugs can increase bupropion exposure but decrease hydroxybupropion exposure. Based on clinical response, dosage adjustment of bupropion hydrochloride may be necessary when coadministered with CYP2B6 inhibitors (e.g., ticlopidine or clopidogrel) [see *Clinical Pharmacology* (12.3)].

Inducers of CYP2B6
Rifampin, Rifapirin, and Efavirenz: Concomitant treatment with these drugs can decrease bupropion and hydroxybupropion exposure. Dosage increase of bupropion hydrochloride may be necessary when coadministered with rifampin, rifapirin, or efavirenz but should not exceed the maximum recommended dose [see *Clinical Pharmacology* (12.3)].

Carbamazepine, Phenytoin, and Phenytoin: While not systemically studied, these drugs may induce metabolism of bupropion and may decrease bupropion exposure [see *Clinical Pharmacology* (12.3)].

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exposure to bupropion in the first trimester from the international Pregnancy Registry was 1.3% (9 cardiovascular malformations/675 first-trimester maternal bupropion exposures), which is similar to the background rate of cardiovascular malformations (approximately 1%). Data from the United Healthcare database, which has a limited number of exposed cases with cardiovascular malformations, and a case-controlled study (6,833 infants with cardiovascular malformations and 5,753 with non-cardiovascular malformations) from the National Birth Defects Prevention Study (NBDS) did not show an increased risk for cardiovascular malformations overall after bupropion exposure during the first trimester.

Study findings on bupropion exposure during the first trimester and risk for ventricular outflow tract obstruction (VOTO) are inconsistent and do not allow conclusions regarding possible association. The United Healthcare database lacked sufficient power to evaluate this association; the NBDS found increased risk for VOTO ($OR = 10$, adjusted odds ratio (OR) = 2.6, 95% CI 1.2, 5.7), and the Stone Epidemiology case-control study did not find increased risk for VOTO.

Study findings on bupropion exposure during the first trimester and risk for ventricular septal defect (VSD) are inconsistent and do not allow conclusions regarding a possible association. The Stone Epidemiology Study found an increased risk for VSD following first trimester maternal bupropion exposure ($n = 17$, adjusted $OR = 2.5$, 95% CI 1.3, 5.0) but did not find an increased risk for any other cardiovascular malformations studied (including VOTO as above). The NBDS and United Healthcare database study did not find an association between first trimester maternal bupropion exposure and VSD.

For the findings of VOTO and VSD, the studies were limited by the small number of exposed cases, inconsistent findings among studies, and the potential for chance findings from multiple comparisons in case-control studies.


Animal Data
In studies conducted in pregnant rats and rabbits, bupropion was administered orally during the period of organogenesis at doses of up to 450 and 150 mg/kg/day, respectively, approximately 10 and 1 times the LD_{50} , respectively, on a mg/m² basis. There was no evidence of fetal malformations in rats. When given to pregnant rabbits during organogenesis, non-dose-related increases in incidence of fetal malformations were observed when bupropion was administered at the lowest dose tested (25 mg/kg/day), approximately equal to the MRHD on a mg/m² basis and greater. Decreased fetal weights were observed at doses of 50 mg/kg/day (approximately 2 times the MRHD on a mg/m² basis) and greater. No maternal toxicity was evident at doses of 50 mg/kg/day or less.

In a pre- and postnatal development study, bupropion administered orally to pregnant rats at doses of up to 150 mg/kg/day (approximately 3 times the MRHD on a mg/m² basis) from embryonic implantation through lactation had no effect on pup growth or development.

6.2 Lactation
Risk Summary
Data from published literature report the presence of bupropion and its metabolites in human milk (see *Data*). There are no data on the effects of bupropion or its metabolites on milk production. Limited data from postmarketing reports have not identified a clear association of adverse reactions with breastfeeding when bupropion was used. The major metabolite of bupropion is excreted along with the mother's milk needed for bupropion hydrochloride and any potential adverse effects on the breastfed child from bupropion hydrochloride or from the underlying maternal condition are cleared rapidly.

Data
In a lactation study of ten women, levels of orally dosed bupropion and its active metabolites were measured in expressed milk. The average daily infant exposure (assuming 150 mL/kg daily consumption) to bupropion and its active metabolites was 2% of the maternal weight-adjusted dose. Breastmilk reports have described seizures in breastfed infants. The relationship of bupropion and these seizures is unclear.

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Product Name : Bupropion Hydrochloride Extended Release Tablets, USP	
Dimension : 620 (W) x 490 (H) mm	
Colour : 1	 Black
ARTWORK CODE : STPI002-1	

Artwork code	Reason for Revision
STPI001-4	New Development
STPI002-1	Text matter change as per RLD revision