

Medication Guide
Tracleer® (tra-KLEER)
(bosentan)
Tablets

Read the Medication Guide that comes with Tracleer 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 with your healthcare provider about your medical condition or your treatment.

What is the most important information I should know about Tracleer?

Tracleer is only available through the Tracleer REMS Program. Before you begin taking Tracleer, you must read and agree to all of the instructions in the Tracleer REMS Program.

Tracleer can cause serious side effects including:

Liver damage.

- Liver damage may not cause symptoms at first. Only a blood test can show if you have early liver damage. You must have your blood tested to check your liver function before you start Tracleer and each month after that. Your healthcare provider will order these tests. Regular blood tests are important because they will help your healthcare provider adjust or stop your treatment before there is permanent damage.
- Tell your healthcare provider if you have had liver problems, including liver problems while taking other medicines. Call your healthcare provider right away if you have any of these symptoms of liver problems while taking Tracleer:
 - nausea
 - vomiting
 - fever
 - unusual tiredness
 - stomach area (abdominal) pain
 - yellowing of the skin or the whites of your eyes (jaundice)

Serious birth defects.

- **Tracleer can cause serious birth defects if taken during pregnancy. You must not be pregnant when you start taking Tracleer or during Tracleer treatment. Serious birth defects from Tracleer can happen early in pregnancy. Females who are able to get pregnant must have a negative pregnancy test before starting treatment with Tracleer, each month during treatment with Tracleer, and 1 month after stopping treatment with Tracleer.**
 - Talk to your healthcare provider about your menstrual cycle. Your healthcare provider will decide when to do a pregnancy test and will order a pregnancy test for you depending on your menstrual cycle.
 - Females who **are able** to get pregnant are females who:
 - have entered puberty, even if they have not started their menstrual period, **and**
 - have a uterus, **and**
 - have not gone through menopause. Menopause means that you have not had a menstrual period for at least 12 months for natural reasons, or that you have had your ovaries removed.
 - Females who **are not able** to get pregnant are females who:
 - have not yet entered puberty, **or**
 - do not have a uterus, **or**
 - have gone through menopause. Menopause means that you have not had a menstrual period for at least 12 months for natural reasons, or that you have had your ovaries removed **or**
 - are infertile for other medical reasons and this infertility is permanent and cannot be reversed.
- **Females who are able to get pregnant must use two acceptable forms of birth control during treatment with Tracleer, and for one month after stopping Tracleer because the medicine may still be in the body.**

- If you have had a tubal sterilization or have an IUD (intrauterine device), these methods can be used alone and no other form of birth control is needed.
- Talk with your healthcare provider or gynecologist (a doctor who specializes in female reproduction) to find out about options for acceptable birth control that you may use to prevent pregnancy during treatment with Tracleer.
- If you decide that you want to change the form of birth control that you use, talk with your healthcare provider or gynecologist to be sure that you choose another acceptable form of birth control.

See the chart below for Acceptable Birth Control Options during treatment with Tracleer.

- **Do not have unprotected sex. Talk to your healthcare provider or pharmacist right away if you have unprotected sex or if you think your birth control has failed. Your healthcare provider may talk with you about using emergency birth control.**
- **Tell your healthcare provider right away if you miss a menstrual period or think you may be pregnant.**

If you are the parent or caregiver of a female child who started taking Tracleer before reaching puberty, you should check your child regularly to see if she is developing signs of puberty. Tell your healthcare provider right away if you notice that she is developing breast buds or any pubic hair. Your healthcare provider should decide if your child has reached puberty. **Your child may reach puberty before having her first menstrual period.**

Acceptable birth control options

Option 1	or	Option 2	or	Option 3	or	Option 4
<div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Standard intrauterine device (Copper T 380A IUD) Intrauterine system (LNg 20 IUS: progesterone IUS) Tubal sterilization </div>		<div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Estrogen and progesterone oral contraceptives (“the pill”) Estrogen and progesterone transdermal patch Vaginal ring Progesterone injection Progesterone implant </div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">PLUS</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Male condom Diaphragm with spermicide Cervical cap with spermicide </div>		<div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Diaphragm with spermicide Cervical cap with spermicide </div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">PLUS</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Male condom </div>		<div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Partner’s vasectomy </div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">PLUS</div> <div style="background-color: #d9e1f2; padding: 5px; text-align: center;">One method from this list:</div> <div style="padding: 5px;"> Male condom Diaphragm with spermicide Cervical cap with spermicide Estrogen and progesterone oral contraceptives (“the pill”) Estrogen and progesterone transdermal patch Vaginal ring Progesterone injection Progesterone implant </div>

Tracleer 32 mg dispersible tablets contain Aspartame. Phenylketonurics: Contains Phenylalanine 1.87 mg per 32 mg dispersible tablet.

See “**What are the possible side effects of Tracleer?**” for more information about side effects.

What is Tracleer?

Tracleer is a prescription medicine used to treat people with certain types of pulmonary arterial hypertension (PAH), which is high blood pressure in the vessels of the lungs.

Tracleer can improve your ability to exercise and can slow the worsening of your physical condition and symptoms. Tracleer lowers high blood pressure in your lungs and lets your heart pump blood more efficiently.

Tracleer is only:

Prescribed by healthcare providers who are enrolled in the Tracleer REMS Program.

Available to people who understand and agree to enroll in the Tracleer REMS Program.

Who should not take Tracleer?

Do not take Tracleer if you:

- **are pregnant, plan to become pregnant, or become pregnant during Tracleer treatment. Tracleer can cause serious birth defects.** All females should read the **birth defects** section of “**What is the most important information I should know about Tracleer?**”
- take any of these medicines:
 - cyclosporine A used to treat psoriasis and rheumatoid arthritis, and to prevent rejection of heart, liver, and kidney transplants
 - glyburide used to treat diabetes
- are allergic to bosentan or any of the ingredients in Tracleer. See the end of this Medication Guide for a complete list of the ingredients in Tracleer. If you have a rash, hives or your lips swell after taking Tracleer, it may be a sign of allergy. You should stop taking your Tracleer and talk to your healthcare provider.

What should I tell my healthcare provider before taking Tracleer?

Tracleer may not be right for you. **Tell your healthcare provider about all your medical conditions, including if you:**

- **have liver problems.**
- **are breast-feeding or plan to breast feed.** It is not known if Tracleer passes into your milk. You and your healthcare provider should decide if you will take Tracleer or breastfeed. You should not do both.

Tell your healthcare provider about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Tracleer and other medicines may affect how each other works and cause side effects. Especially tell your healthcare provider if you take:

- hormone-based birth control, such as pills, shots, patches, and implants. These birth control methods may not work as well when taken with Tracleer.
- simvastatin or other “-statin” medicines used to lower cholesterol
- rifampin used for tuberculosis
- ketoconazole, fluconazole, itraconazole, or voriconazole used for fungal infections
- warfarin sodium used to prevent blood clots
- ritonavir used to treat HIV

There may be more than one brand name medicine. Ask your healthcare provider if you are not sure if your medicine is

one that is listed above.

Know the medicines you take. Keep a list of them and show it to your healthcare provider or pharmacist when you get a new medicine.

How should I take Tracleer?

Your healthcare provider will give you detailed information about the Tracleer REMS Program.

- Tracleer will be mailed to you by a specialty pharmacy. You will only receive a 30-day supply of Tracleer at one time.
- Take Tracleer exactly as prescribed.
- Your healthcare provider will tell you how much Tracleer to take and when to take it.
- In most cases, you will take 1 tablet in the morning and 1 in the evening.
- You can take Tracleer orally with or without food.
- If you take more than the prescribed dose of Tracleer, call your healthcare provider right away.
- If you miss a dose of Tracleer, take your tablet as soon as you remember. Do not take 2 doses at the same time. If it is almost time for your next dose, skip the missed dose. Just take the next dose at your regular time.
- Do not stop taking Tracleer unless your healthcare provider tells you to. Suddenly stopping your treatment may cause your symptoms to get worse. If you need to stop taking Tracleer, speak with your healthcare provider about the right way to stop.
- If necessary, the 32 mg dispersible tablet can be divided into halves by breaking along the lines cut into the surface. Hold the tablet between the thumb and index finger on either side of one of the lines, with the line facing upwards, and break the tablet along the line (see figure below). The dispersible tablet should not be broken into quarters.



- Each 32 mg dispersible tablet, or tablet part, can be dispersed in a minimal amount of water to make a liquid medicine immediately before administration. When the tablet has fully dispersed, the liquid should be administered to the patient.

What are the possible side effects of Tracleer?

Tracleer can cause serious side effects, including:

- **See “What is the most important information I should know about Tracleer?”**
- **Fluid retention and swelling of your ankles and legs.** Tracleer can cause your body to hold too much water, and you may get swelling of your ankles and legs. Tell your healthcare provider if you have swelling of your ankles and legs that happens either with or without weight gain, or if you have more trouble with your breathing than normal. Your healthcare provider will look for the cause of this.
- **Lower Sperm Count.** Some men who take Tracleer may have lower sperm counts. This may affect your ability to father a child. Tell your healthcare provider if fertility is a concern for you.
- **Low red blood cell levels (anemia).** Your healthcare provider will do blood tests to check your red blood cells during treatment with Tracleer.

The most common side effects of Tracleer include:

- respiratory tract infection
- headache
- fainting
- flushing

- low blood pressure
- inflamed nose passages (sinusitis)
- joint pain
- irregular heart beats

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

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store Tracleer?

- Store Tracleer at room temperature between 68°F to 77°F (20°C to 25°C).
- Dispersible tablets that have been broken to adjust the dose of medicine can be stored at room temperature, between 68°F to 77°F (20°C to 25°C), and should be used within 7 days of having been broken. Tablet pieces may be returned to the opened blister and stored there out of reach of children for up to 7 days.

Keep Tracleer and all medicines out of the reach of children.

General information about Tracleer

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use Tracleer for a condition for which it was not prescribed. Do not give Tracleer to other people, even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about Tracleer. If you would like more information, talk with your healthcare provider. You can ask your pharmacist or healthcare provider for information about Tracleer that is written for health professionals. For more information, go to www.Tracleer.com or call 1-866-228-3546.

What are the ingredients in Tracleer?

Active ingredient: bosentan

Inactive ingredients in 62.5 mg and 125 mg film-coated tablets: corn starch, pregelatinized starch, sodium starch glycolate, povidone, glyceryl behenate, and magnesium stearate, hydroxypropylmethylcellulose, triacetin, talc, titanium dioxide, iron oxide yellow, iron oxide red, ethylcellulose.

Inactive ingredients in 32 mg dispersible tablets: cellulose microcrystalline, calcium hydrogen, phosphate anhydrous, croscarmellose sodium, silica colloidal anhydrous, tartaric acid, tutti frutti flavor, aspartame (E951), acesulfame potassium, and magnesium stearate.

Manufactured for:

Actelion Pharmaceuticals US, Inc.

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