

# BOSENTAN (Tracleer®)

## What is bosentan (Tracleer®) used for?

Bosentan (Tracleer®) is a prescription medicine used to treat **pulmonary arterial hypertension** (PAH). PAH is defined by high blood pressure in the lungs resulting from the pulmonary arteries—the blood vessels that carry blood from the heart to the lungs—becoming narrowed or scarred.

## How does it work?

Bosentan (Tracleer®) is an **endothelin receptor antagonist** (ERA) that lowers blood pressure in the lungs, making it easier for the heart to pump more effectively. Bosentan (Tracleer®) helps prevent blood vessels from narrowing by blocking endothelin, a protein that causes vasoconstriction, in the pulmonary arteries.

Taking this medication may slow the progression of pulmonary arterial hypertension and alleviate symptoms.

## What do I need to know?

Do not take bosentan (Tracleer®) if you:

- Are allergic to bosentan (Tracleer®) or any of its ingredients
- Are breastfeeding
- Have liver disease.

Avoid grapefruit juice.

**If you are pregnant or may become pregnant, contact your medical team right away.** This medication is known to cause serious birth defects.

This medication can cause liver problems and anemia. You will need regular blood work.

## How should I take bosentan (Tracleer®)?

Take one tablet twice daily, with or without food.

For the first four weeks, you will take 62.5 mg tablets twice daily. If you tolerate this, your dose will be increased to 125 mg twice daily.

## What are common side effects?

Some patients may experience side effects when taking this medication. If the side effects are severe or bothersome, please contact your medical team.

Side effects may include:

- Headache
- Flushing
- Palpitations
- Fluid retention (swelling)
- Nasal congestion
- Abnormal liver function tests.

## Drug interactions

The following drugs may interact with bosentan (Tracleer®):

- **Blood thinners**, e.g. warfarin (Coumadin®)
- **Medications used to treat diabetes**, e.g. glyburide (Diabeta®, Euglucon®)
- **Antibiotics**, e.g. clarithromycin (Biaxin®) and rifampin (Rofact®)
- **Medications used to treat fungal infections**, e.g. ketoconazole (Apo-Ketoconazole®) and voriconazole (Vfend®)
- **Immunosuppressant medications**, e.g. cyclosporine (Neoral®, Sandimmune®), tacrolimus (Advagraf®, Prograf®), and sirolimus (Rapamune®)
- **Medications used to treat HIV infection**, e.g. darunavir (Prezista®), ritonavir (Norvir®), nelfinavir (Viracept®)
- **Hormonal contraceptives**

This is not a comprehensive list of drug interactions.

**Tell your medical team about ALL the medicines you are taking**, including over-the-counter drugs, vitamins, minerals, natural supplements, and alternative medications.

**Speak to your medical team before starting any new medication.**

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## Missed doses

If you miss a dose of bosentan (Tracleer<sup>®</sup>), take your tablet as soon as you remember.

Do not take two 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 bosentan (Tracleer<sup>®</sup>) unless advised by your medical team.**

## When should I notify my pulmonary hypertension clinic or seek medical attention?

**Contact your medical team or seek medical attention immediately** if you develop:

- Yellowing of the skin or eyes
- Nausea and vomiting
- Fever
- Fatigue
- Abdominal pain

Symptoms of worsening pulmonary hypertension:

- Difficulty breathing
- Fluid retention or weight gain
- Dizziness or passing out

An allergic reaction:

- Swelling of the mouth, tongue, face, or throat
- Itching
- Rash
- Difficulty breathing.

**If you take more than your prescribed dose,** contact your medical team immediately, even if you feel well.

## Additional information

- Store out of reach of children.
- Store at room temperature (15°–30° C).
- Do not use expired medication.
- Ask your pharmacist how to dispose of medications you no longer require. Do not throw away any medication or flush it down the toilet.

For more information, please see [the full product monograph](#).



This resource was developed by the Canadian Pulmonary Hypertension Professionals Network (CPHPN), a PHA Canada network that brings together pulmonary

hypertension nurses from across the country to enhance nursing care in the field through leadership, education, and professional development.



PULMONARY HYPERTENSION  
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To learn more about pulmonary arterial hypertension, please visit [www.phacanada.ca](http://www.phacanada.ca)

The information provided in this resource is for educational purposes only. Please speak with your medical team to establish a personalized treatment plan and discuss any changes to your lifestyle or course of treatment.