

SOTATERCEPT (Winrevair[®])

What is sotatercept (Winrevair) used for?

Sotatercept (Winrevair) 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?

Sotatercept (Winrevair) is an **activin signalling inhibitor**. In patients with pulmonary arterial hypertension, the activin signalling pathway takes over and stimulates too much cell growth in the pulmonary arteries. Sotatercept binds to the activins, preventing excess cell proliferation.

Taking this medication may improve your ability to exercise and slow the progression of pulmonary arterial hypertension.

What do I need to know?

Do not take sotatercept (Winrevair) if you:

- Are allergic to sotatercept (Winrevair) or any of its ingredients
- Have a platelet count below $50.0 \times 10^9/L$
- Are experiencing a serious bleeding event.

Your medical team may request regular blood work and pregnancy tests. Sotatercept may impair female and male fertility. **If you are pregnant or may become pregnant, contact your medical team right away.**

How should I take sotatercept (Winrevair)?

Sotatercept (Winrevair) is delivered as an injection under the skin once every three weeks. Dosage depends on your body weight.

The usual starting dose is 0.3 mg/kg, increasing over time to a maximum dose of 0.7 mg/kg.

Do not re-use needles. Discard all equipment after one use.

Alternate injection sites. If you use another injectable medication, do not inject sotatercept in the same area. Contact your medical team if you have any concerns.

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

Do not stop taking sotatercept (Winrevair) unless advised by your medical team.

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.

Common side effects may include:

- Nosebleeds or bleeding gums
- Telangiectasia (red clusters of dilated small blood vessels on your skin)
- Headache
- Diarrhea
- Rash
- Flushing
- Low blood platelet counts (thrombocytopenia)
- Increased blood pressure
- Increased hemoglobin

Drug interactions

Sotatercept's interactions with other drugs, foods, herbal products, or laboratory tests have not yet been determined.

Tell your medical team about ALL the medications 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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When should I notify my pulmonary hypertension clinic or seek medical attention?

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

Serious side effects:

- Nosebleeds or other bleeding lasting longer than 10 minutes
- Bloody or black vomit
- Black, tarry stools
- Blood in stool

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.

Missed doses

If you miss a dose, take it as soon as possible. If you do not take it within 3 days of the scheduled date, adjust your future dosing schedule to maintain a 3-week interval.

Additional information

- Store out of reach of children.
- Store vials refrigerated at 2°–8° C in the original carton to protect them from light.
- Sotatercept should be clear. If it is cloudy or coloured, it should not be used.
- Do not freeze.
- 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 educational 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

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.