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2. Racepinephrine

Racepinephrine

Generic name: racepinephrine [*RAYSE-ep-i-NEF-rin*]

Brand names: [Asthmanefrin](#), [S2 Inhalant](#), Nephron, Micronefrin

Dosage form: inhalation solution (2.25%)

Drug class: [Adrenergic bronchodilators](#)



[Medically reviewed](#) by Drugs.com on Dec 2, 2024. Written by [Cerner Multum](#).

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What is racepinephrine?

Racepinephrine is a bronchodilator. It works by relaxing muscles in the airways to improve breathing.

Racepinephrine is used to relieve occasional symptoms of asthma, such as [wheezing](#), chest tightness, and feeling short of breath.

Racepinephrine may also be used for purposes not listed in this medication guide.

Racepinephrine side effects

Get emergency medical help if you have **signs of an allergic reaction**: hives; difficult breathing; swelling of your face, lips, tongue, or throat.

Racepinephrine may cause serious side effects. Call your doctor at once if you have:

- new or worsening asthma symptoms;
- [fast heart rate](#), tremors or a nervous feeling;
- sleep problems (insomnia);
- a seizure (convulsions); or
- **dangerously high blood pressure**--severe headache, blurred vision, pounding in your neck or ears, nosebleed, anxiety, confusion, severe chest pain, [shortness of breath](#), irregular heartbeats.

This is not a complete list of side effects and others may occur. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.



[Racepinephrine side effects](#) (more detail)

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Warnings

Do not use racepinephrine if you have used an MAO inhibitor in the past 14 days, such as [isocarboxazid](#), [linezolid](#), [methylene blue](#) injection, [phenelzine](#), [rasagiline](#), [selegiline](#), or [tranylcypromine](#).

Before taking this medicine

Do not use racepinephrine unless you have asthma that has been confirmed by a doctor.

You should not use racepinephrine if you are allergic to it.

Do not use racepinephrine if you have used an MAO inhibitor in the past 14 days. A dangerous [drug interaction](#) could occur. MAO inhibitors include isocarboxazid, linezolid, methylene blue injection, phenelzine, rasagiline, selegiline, tranylcypromine, and others.

Ask a doctor or pharmacist if it is safe for you to use this medicine if you have other medical conditions, especially:

- [heart disease](#);
- [high blood pressure](#);
- diabetes;
- a thyroid disorder;
- mental illness or an emotional disorder;
- seizures or [epilepsy](#);
- narrow-angle [glaucoma](#); or
- an [enlarged prostate](#) and urination problems.

It is not known whether racepinephrine will harm an unborn baby. **Do not use this medicine without a doctor's advice if you are pregnant.**

It is not known whether racepinephrine passes into breast milk or if it could harm a nursing baby. **Do not use this medicine without a doctor's advice if you are breast-feeding a baby.**

Do not give this medicine to a child younger than 4 years old without medical advice.

How should I use racepinephrine?

Use exactly as directed on the label, or as prescribed by your doctor. Do not take more than the recommended dose.

Using too much racepinephrine or using it too often can increase your risk of heart attack or stroke, which can cause death.

Racepinephrine is a liquid solution that must be placed into a hand-held bulb nebulizer. You will inhale the medicine from the nebulizer.

Any child using racepinephrine should be supervised by an adult while using this medicine.

After using racepinephrine, your symptoms should improve within 20 minutes.

Call your doctor right away if your symptoms do not improve within 20 minutes, or if they get worse after using racepinephrine.

Asthma is usually treated with a combination of drugs. Use all medications as directed by your doctor. Read the medication guide or patient instructions provided with each medication. **Do not change your doses or medication schedule without your doctor's advice.**

Seek medical attention if you think your medications are not working as well.

Signs that your asthma symptoms may be getting worse include:

- having to use more than 12 inhalations of racepinephrine in a 24-hour period;
- having to use more than 9 inhalations in 24 hours for 3 or more days in 1 week; or
- having more than 2 asthma attacks in 1 week.

Store at room temperature away from moisture, heat, and light. Do not freeze.

Do not use racepinephrine if it looks brown or cloudy. Throw it out and get a new supply of racepinephrine.

Racepinephrine dosing information

Usual Adult Dose for Asthma -- Acute:

1 to 3 inhalations (0.5 mL), via a hand-held rubber nebulizer, not more often than every 3 hours

Maximum dose: 12 inhalations in 24 hours

Use(s): Temporary relief of mild symptoms of intermittent asthma

Usual Pediatric Dose for Asthma -- Acute:

4 years and older: 1 to 3 inhalations (0.5 mL), via a hand-held rubber nebulizer, not more often than every 3 hours
Maximum dose: 12 inhalations in 24 hours

Use(s): Temporary relief of mild symptoms of intermittent asthma

 [Detailed Racpinephrine dosage information](#)

What happens if I miss a dose?

Since racepinephrine is used when needed, you may not be on a dosing schedule. If you are on a schedule, use the missed dose as soon as you remember. Skip the missed dose if it is almost time for your next scheduled dose. **Do not** use extra medicine to make up the missed dose.

Do not use more than 12 inhalations of racepinephrine in a 24-hour period.

What happens if I overdose?

Seek emergency medical attention or call the Poison Help line at 1-800-222-1222.

What should I avoid while using racepinephrine?

Avoid getting racepinephrine in your eyes.

Avoid eating or drinking products that contain [caffeine](#), such as coffee, tea, soft drinks, or energy drinks. Taking caffeine while you are using racepinephrine can increase your blood pressure.

What other drugs will affect racepinephrine?

Tell your doctor about all your current medicines and any you start or stop using, especially:

- other asthma medications;
- diet pills, an appetite suppressant, or stimulant medicine;
- cold or allergy medicine that contains a decongestant; or
- an antidepressant or medicine to treat mental illness.

This list is not complete. Other drugs may interact with racepinephrine, including prescription and over-the-counter medicines, vitamins, and [herbal products](#). Not all possible interactions are listed in this medication guide.

 [Racepinephrine drug interactions](#) (more detail)

Does racepinephrine interact with my other drugs?

Enter medications to view a detailed interaction report using our [Drug Interaction Checker](#).

racepinephrine

+

Enter a drug name

Add

More about racepinephrine

- [Check interactions](#)
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Patient resources

- [Racepinephrine advanced reading](#)
- [Racepinephrine Inhalation Solution](#)

Other brands

[Asthmanefrin, S2 Inhalant](#)

Related treatment guides

- [Asthma, acute](#)

Further information


Remember, keep this and all other medicines out of the reach of children, never share your medicines with others, and use this medication only for the indication prescribed.

Always consult your healthcare provider to ensure the information displayed on this page applies to your personal circumstances.

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DRUG STATUS

Availability
 Rx and/or OTC

Pregnancy & Lactation



Risk data available

CSA Schedule*

N/A Not a controlled drug



User Reviews & Ratings

7.2 / 10

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