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2. Tiotropium

# Tiotropium inhalation

**Generic name:** tiotropium inhalation [ *TYE-oh-TROE-pee-um* ]

**Brand names:** Spiriva HandiHaler, [Spiriva Respimat](#), Spiriva Respimat 10 ACT, Spiriva Respimat 60 ACT, [Spiriva](#), ... [show all 8 brands](#)

**Dosage forms:** inhalation aerosol (1.25 mcg/inh; 2.5 mcg/inh), inhalation capsule (18 mcg)

**Drug class:** [Anticholinergic bronchodilators](#)



[Medically reviewed](#) by Drugs.com on Aug 14, 2023. Written by [Cerner Multum](#).

[Uses](#)   [Side effects](#)   [Warnings](#)   [Before taking](#)   [Dosage](#)   [Interactions](#)   [FAQ](#)

## What is tiotropium inhalation?

Tiotropium inhalation is a bronchodilator that is used to prevent bronchospasm (narrowing of the airways in the lungs) in adults with COPD (chronic obstructive pulmonary disease), including [bronchitis](#) and emphysema.

Tiotropium inhalation is also used to prevent asthma attacks in adults and children who are at least 6 years old.

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

## Tiotropium inhalation side effects

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

**Tiotropium inhalation may cause serious side effects. Call your doctor at once if you have:**

- wheezing, choking, or other breathing problems after using tiotropium inhalation;
- blurred vision, eye pain or redness, seeing halos around lights;
- sores or white patches on your mouth, lips, or tongue;
- pain or burning when you urinate; or
- little or no urinating.

**Common side effects of tiotropium inhalation may include:**

- dry mouth;
- blurred vision;
- [constipation](#), painful urination;
- [upset stomach](#);

- chest pain, [fast heart rate](#); or
- [cold symptoms](#) such as stuffy or runny nose, sinus pain, [sore throat](#).

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.

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

## Related/similar drugs

### Breztri Aerosphere

Breztri

(budesonide/glycopyrrolate/formoterol fumarate) is a combination inhaler that may be used ...

#### Reviews & ratings

6.9 / 10

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### Xolair

Xolair injection (omalizumab) is used to reduce the risk of severe food allergy reactions ...

#### Reviews & ratings

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### Dupixent

Dupixent may be used to treat eczema, eosinophilic or oral-corticosteroid-dependent asthma, chronic ...

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### Symbicort

Symbicort (budesonide and formoterol) is used to prevent bronchospasm in people with asthma or ...

#### Reviews & ratings

6.6 / 10

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### Ventolin HFA

Ventolin HFA (albuterol) is used to treat or prevent breathing problems in patients who have asthma ...

#### Reviews & ratings

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### Zithromax

Zithromax (azithromycin) treats infections caused by bacteria, such as respiratory infections, skin ...

#### Reviews & ratings

7.1 / 10

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### Azithromycin

Azithromycin is an antibiotic used to treat many different types of infections caused by bacteria ...

#### Reviews & ratings

6.8 / 10

[1,306 Reviews](#)

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### Albuterol

Albuterol is a bronchodilator that relaxes muscles in the airways and

increases air flow to the ...

### Reviews & ratings

3.2 / 10

[387 Reviews](#)

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## Warnings

A tiotropium capsule is for use only in the HandiHaler device. **Do not take the capsule by mouth.** Use only one capsule at a time.

## Before taking this medicine

You should not use tiotropium inhalation if you are allergic to tiotropium or [ipratropium](#) (Atrovent, Combivent, DuoNeb).

Tell your doctor if you have ever had:

- narrow-angle glaucoma;
- kidney disease;
- a milk allergy; or
- an [enlarged prostate](#) or urination problems.

Tell your doctor if you are pregnant. It is not known whether tiotropium will harm an unborn baby. However, having uncontrolled asthma during pregnancy may cause premature birth, a low birth weight baby, or complications such as eclampsia (dangerously [high blood pressure](#) that can lead to medical problems in both mother and baby). The benefit of treating asthma may outweigh any risks to the baby.

It may not be safe to breast-feed while using this medicine. Ask your doctor about any risk.

Tiotropium inhalation is not approved for use by anyone younger than 6 years old.

## How should I use tiotropium inhalation?

Follow all directions on your prescription label and read all medication guides or instruction sheets. Use the medicine exactly as directed.

**Tiotropium inhalation is not a rescue medicine for bronchospasm attacks.** Use only fast-acting inhalation medicine for an attack. Seek medical attention if your breathing problems get worse quickly, or if you think your medications are not working as well.

**Read and carefully follow any Instructions for Use provided with your medicine.** Ask your doctor or pharmacist if you do not understand these instructions.

Tiotropium inhalation powder is packaged in capsules that are for use only with a special inhaler device (**Spiriva HandiHaler**). Do not take the capsule by mouth.

Tiotropium inhalation aerosol is a cartridge that is inserted into a special inhaler device (**Spiriva Respimat**). Turning the base of the Respimat device until it clicks will release the medicine into the inhaler chamber.

**Any child using tiotropium inhalation should be supervised by an adult while using this medicine.**

You may need frequent lung function tests.

Store this medicine at room temperature away from moisture and heat. Do not freeze.

Do not remove a tiotropium capsule from its blister pack until you are ready to place the capsule into the **HandiHaler** and use the device.

## Tiotropium inhalation dosing information

### Usual Adult Dose for Chronic Obstructive Pulmonary Disease -- Maintenance:

Tiotropium inhalation powder, hard capsule:

-18 mcg (2 inhalations) orally once a day using the HandiHaler device

Tiotropium, solution for inhalation:

-5 mcg (2 inhalations) orally once a day

Uses: Long-term maintenance treatment of bronchospasm associated with chronic obstructive pulmonary disease (COPD), including [chronic bronchitis](#) and emphysema; to reduce exacerbations in COPD patients

### Usual Adult Dose for Asthma -- Maintenance:

-2.5 mcg (2 inhalations of 1.25 mcg) orally once a day

Comments:

-The maximum benefits in lung function may take up to 4 to 8 weeks of dosing.

Use: Long-term maintenance treatment of asthma

### Usual Pediatric Dose for Asthma -- Maintenance:

6 years or older:

-2.5 mcg (2 inhalations of 1.25 mcg) orally once a day

Comments:

-The maximum benefits in lung function may take up to 4 to 8 weeks of dosing.

Use: Long-term maintenance treatment of asthma

 [Detailed Tiotropium dosage information](#)

## What happens if I miss a dose?

Use the medicine as soon as you can, but skip the missed dose if it is almost time for your next dose. **Do not** use two doses at one time.

**Do not use more than two times in a 24-hour period.**

Get your prescription refilled before you run out of medicine completely.

## What happens if I overdose?

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

Overdose symptoms may include dry mouth, [eye redness](#), constipation, stomach pain, and confusion or [drowsiness](#).

## What should I avoid while using tiotropium inhalation?

Avoid getting the powder from a tiotropium capsule in your eyes. **If this does happen, call your doctor.**

Avoid driving or hazardous activity until you know how tiotropium inhalation will affect you. Your reactions could be impaired.

## What other drugs will affect tiotropium inhalation?

Tell your doctor about all your other medicines, especially:

- medicine to treat [depression](#), anxiety, mood disorders, or mental illness;
- cold or allergy medicine (Benadryl and others);
- medicine to treat [Parkinson's disease](#);
- medicine to treat stomach problems, [motion sickness](#), or [irritable bowel syndrome](#);
- medicine to treat [overactive bladder](#); or
- bronchodilator asthma medication.

This list is not complete. Other drugs may affect tiotropium, including prescription and over-the-counter medicines, vitamins, and [herbal products](#). Not all possible [drug interactions](#) are listed here.

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

## Does tiotropium interact with my other drugs?

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

+

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- [Breastfeeding](#)

## Patient resources

- [Tiotropium advanced reading](#)
- [Tiotropium Capsules for Inhalation](#)

## Other brands

[Spiriva](#), [Spiriva Respimat](#)

## Professional resources

- [Tiotropium monograph](#)
- [Tiotropium Bromide Capsules \(FDA\)](#)

## Other brands

[Spiriva](#), [Spiriva Respimat](#)

## Related treatment guides

- [Asthma, Maintenance](#)
- [COPD, Maintenance](#)
- [COPD](#)
- [COPD, 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.

[Medical Disclaimer](#)


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**DRUG STATUS**

**Availability**

**Rx** Prescription only

**Pregnancy & Lactation**

 Risk data available

**CSA Schedule\***

**N/A** Not a controlled drug



**Approval History**

 Drug history at FDA



**User Reviews & Ratings**

5.8 / 10

[157 Reviews](#)

**Images**

[Tiotropium Bromide Inhalation Powder 18 mcg \(LU T18\)](#)

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