**MEDICATION GUIDE**

**BROVANA** (Bro va nan) (arformoterol tartrate) Inhalation Solution

**15 mcg/2 mL**

**prescribed as arformoterol**

**BROVANA** is only for use with a nebulizer.

Read the Medication Guide that comes with BROVANA before you start using it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or treatment.

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

**BROVANA** can cause serious side effects, including:

- **People with asthma, who take long-acting beta-2 adrenergic agonist (LABA) medicines, such as BROVANA, have an increased risk of death from asthma problems.

- **LABA medicines, such as BROVANA, increase the risk of death in people with chronic obstructive pulmonary disease (COPD).**

- **Get emergency medical care if:**
  - breathing problems worsen quickly
  - you use your inhaler rescue and it does not relieve your breathing problems

What is BROVANA?

**BROVANA** is used long term, 2 times each day (morning and evening), in controlling symptoms of chronic obstructive pulmonary disease (COPD) in adults with COPD. **BROVANA** is only for use with a nebulizer.

LABA medicines such as **BROVANA** help the muscles around the airways in your lungs stay relaxed to prevent symptoms such as wheezing, cough, chest tightness, and shortness of breath.

**BROVANA** should not be used in children. It is not known if **BROVANA** is safe and effective in children.

What should I avoid using with **BROVANA**?

**Do not use any LABA medicine with a long-acting beta-2-adrenergic agonist (LABA) for any reason.**

**Do not use your short-acting beta-2-adrenergic medicine on a regular basis.**

**BROVANA does not relieve sudden symptoms of COPD.** Always have a rescue inhaler medicine with you to treat sudden symptoms. If you do not have a rescue inhaler medicine, call your healthcare provider to have one prescribed for you.

**Do not stop using **BROVANA** or other medicines to control or treat your COPD, unless you do so by your healthcare provider because your symptoms might get worse. Your healthcare provider will change your medicines as needed.

**Do not use **BROVANA**:
- more than prescribed
- more medicine than prescribed to you
- with other LABA medicines

**Call your healthcare provider or get emergency medical care right away if:**
- your breathing problems worsen with **BROVANA**
- you need to use your rescue inhaler medicine more often than usual
- your rescue inhaler medicine does not work as well for you at relieving symptoms

Know the medicines you take. Keep a list of them to show your healthcare provider and pharmacist each time you get your medicines.

How should I use **BROVANA**?

Read the step-by-step instructions for using **BROVANA** at the end of this Medication Guide.

- **Use **BROVANA** exactly as prescribed.** One ready-to-use vial of **BROVANA** is one dose. The usual dose of **BROVANA** is 1 ready-to-use vial taken twice a day (morning and evening) breathed in through your nebulizer machine. The 2 doses should be about 12 hours apart. Do not use more than 2 ready-to-use vials of **BROVANA** a day.

- **Do not swallow or inject **BROVANA**.**

- **BROVANA is for use with a standard jet nebulizer machine connected to an air compressor.** Read the complete instructions for use at the end of this Medication Guide before starting **BROVANA**.

- **Do not mix other medicines with **BROVANA** in your nebulizer machine.

- **If you miss a dose of **BROVANA**. Just skip that dose. Take your next dose at your usual time. Do not take 2 doses at one time.

- **While you are using **BROVANA** 2 times each day:**
  - do not use other medicines that contain a long-acting beta-2-adrenergic agonist (LABA) for any reason.
  - do not use your short-acting beta-2-adrenergic medicine on a regular basis.

- **BROVANA does not relieve sudden symptoms of COPD.** Always have a rescue inhaler medicine with you to treat sudden symptoms. If you do not have a rescue inhaler medicine, call your healthcare provider to have one prescribed for you.

- **Do not stop using **BROVANA** or other medicines to control or treat your COPD, unless you do so by your healthcare provider because your symptoms might get worse. Your healthcare provider will change your medicines as needed.

**Do not use **BROVANA**:

- more than prescribed
- more medicine than prescribed to you
- with other LABA medicines

Call your healthcare provider or get emergency medical care right away if:

- your breathing problems worsen with **BROVANA**
- you need to use your rescue inhaler medicine more often than usual
- your rescue inhaler medicine does not work as well for you at relieving symptoms

What are the possible side effects with **BROVANA**?

**BROVANA** can cause serious side effects, including:

- **See “What is the most important information I should know about **BROVANA**?”**

- **Sudden shortness of breath immediately after use of **BROVANA**.**

- **If your COPD symptoms worsen over time do not increase your dose of **BROVANA**. Instead call your healthcare provider.**

- **Increased blood pressure**
- **Fast or irregular heartbeat**
- **Serious allergic reactions including rash, hives, swelling of the face, mouth, and tongue, and breathing problems.** Call your healthcare provider or get emergency medical care if you get any symptoms of a serious allergic reaction.

**Common side effects of **BROVANA** include:**

- chest or back pain
- diarrhea
- sinus congestion
- headache
- tremor
nervousness  
• leg cramps  
• high blood pressure  
• shortness of breath  
• rash  
• fever  
• increased white blood cells  
• vomiting  
• tiredness  
• leg swelling  
• chest congestion or bronchitis

Tell your health care provider if you get any side effect that bothers you or that does not go away. These are not all the side effects with BROVANA. Ask your health care provider or pharmacist for more information. Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

Squeeze all of the medicine from the ready-to-use vial into the nebulizer medicine cup (reservoir) (Figure 2).

• To report side effects, call 1-877-737-7226.
• For medical information, call 1-800-739-0565.
• For nursing information, talk with your healthcare provider. You may report side effects to 1-800-FDA-1088.

Figures 3 and 4: Instructions for use with the Volumatic Nebulizer System. Figures 5 and 6: Instructions for use with the Respironics Encore Face Mask Nebulizer. Figure 7: Instructions for use with the Nebulizer S1000 Nebulizer System.