

- In primary treatment of status asthmaticus or other acute episodes of asthma or COPD where intensive measures are required.

PRECAUTIONS

Asthma-Related Death

Long-acting β_2 adrenergic agonists (LABA), such as Formoterol, increase the risk of asthma-related death. When treating patients with asthma, Budesonide + Formoterol should only be used for patients not adequately controlled on a long-term asthma control medication, such as an inhaled corticosteroid, or whose disease severity clearly warrants initiation of treatment with both an inhaled corticosteroid and a LABA. Once asthma control is achieved and maintained, assess the patient at regular intervals and step down therapy (e.g., discontinue Budesonide + Formoterol inhaler) if possible without loss of asthma control and maintain the patient on a long-term asthma control medication, such as an inhaled corticosteroid. Do not use Budesonide + Formoterol inhaler for patients whose asthma is adequately controlled on low or medium dose inhaled corticosteroids.

Deterioration of Disease and Acute Episodes

Budesonide + Formoterol inhaler should not be initiated in patients during rapidly deteriorating or potentially life-threatening episodes of asthma or COPD. It should not be used for the relief of acute symptoms, i.e., as rescue therapy for the treatment of acute episodes of bronchospasm. When beginning treatment with Budesonide + Formoterol inhaler, patients who have been taking oral or inhaled, short-acting β_2 agonists on a regular basis (e.g., 4 times a day) should be instructed to discontinue the regular use of these drugs.

Excessive Use of Budesonide + Formoterol Inhaler and Use with Other Long-Acting β_2 Agonists

Clinically significant cardiovascular effects and fatalities have been reported in association with excessive use of inhaled sympathomimetic drugs. Patients using Budesonide + Formoterol inhaler should not use additional LABA (e.g., salmeterol, formoterol fumarate, arformoterol tartrate) for any reason, including prevention of exercise-induced bronchospasm (EIB) or the treatment of asthma or COPD.

Local Effects

Candida albicans infection of the mouth and pharynx may occur in subjects treated with Budesonide + Formoterol inhaler. Monitor patients periodically for signs of adverse effects on the oral cavity. Advise the patient to rinse the mouth following inhalation.

Pneumonia or other Respiratory Tract Infections

Lower respiratory tract infections, including pneumonia, have been reported in patients with chronic obstructive pulmonary disease (COPD) following the inhaled administration of corticosteroids. Monitor patients for signs and symptoms of pneumonia and other potential lung infections.

Immunosuppression

Persons who are on drugs that suppress the immune system are more susceptible to infections than healthy individuals. Inhaled corticosteroids should be used with caution, if at all, in patients with active or quiescent tuberculosis infections of the respiratory tract; untreated systemic fungal, bacterial, viral, or parasitic infections; or ocular herpes simplex. More serious or even fatal course of chickenpox or measles can occur in susceptible patients.

Transferring Patients from Systemic Corticosteroid Therapy

Particular care is needed for patients who have been transferred from systemically active corticosteroids to inhaled corticosteroids because deaths due to adrenal insufficiency have occurred in patients with asthma during and after transfer from systemic corticosteroids to less systemically available inhaled corticosteroids. Taper patients slowly from systemic corticosteroids if transferring to Budesonide + Formoterol inhaler.

Hypercorticism and Adrenal Suppression

It is possible that systemic corticosteroid effects such as hypercorticism and adrenal suppression (including adrenal crisis) may appear with very high dosages or at the regular dosage in susceptible individuals. If such changes occur, discontinue Budesonide + Formoterol inhaler slowly.

Paradoxical Bronchospasm and Upper Airway Symptoms

As with other inhaled medicines, Budesonide + Formoterol inhaler can produce paradoxical bronchospasm, which may be life threatening. If paradoxical bronchospasm occurs discontinue Budesonide + Formoterol inhaler and institute alternative therapy.

Immediate Hypersensitivity Reactions

Immediate hypersensitivity reactions (e.g., urticaria, angioedema, rash, bronchospasm), may occur after administration of Budesonide + Formoterol inhaler.

Cardiovascular and Central Nervous System Effects

Budesonide + Formoterol inhaler should be used with caution in patients with cardiovascular disorders, especially coronary insufficiency, cardiac arrhythmias, and hypertension because of β_2 adrenergic stimulation.

Reduction in Bone Mineral Density

Decreases in bone mineral density (BMD) have been observed with long-term administration of products containing inhaled corticosteroids. Patients should be assessed for bone mineral density initially and periodically thereafter.

Effect on Growth

Orally inhaled corticosteroids may cause a reduction in growth velocity when administered to pediatric patients. Monitor the growth of pediatric patients receiving Budesonide + Formoterol inhaler routinely.

Glaucoma and Cataracts

Glaucoma and cataracts have been reported in patients with asthma and COPD following the long-term administration of inhaled corticosteroids, including Budesonide. Therefore, close monitoring is warranted in patients with a change in vision or with a history of increased intraocular pressure, glaucoma, and/or cataracts.

Eosinophilic Conditions and Churg-Strauss Syndrome

In rare cases, patients on inhaled corticosteroids may present with systemic eosinophilic conditions. Physicians should be alert to eosinophilia, vasculitic rash, worsening pulmonary symptoms, cardiac complications, and/or neuropathy presenting in their patients.

Coexisting Conditions

Budesonide + Formoterol inhaler should be used with caution in patients with convulsive disorders or thyrotoxicosis, diabetes mellitus and ketoacidosis.

Hypokalemia

β_2 adrenergic agonist medications may produce significant hypokalemia in some patients, possibly through intracellular shunting, which has the potential to produce adverse cardiovascular effects.

Hyperglycemia

As for all β_2 adrenoceptor agonists, additional blood glucose controls should be considered in diabetic patients.

Pregnancy

There are no adequate and well controlled studies of Budesonide + Formoterol inhaler in pregnant women. Budesonide + Formoterol inhaler should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Mother

Budesonide is secreted in breast milk. It is not known whether Formoterol passes into human breast milk. Administration of Budesonide + Formoterol inhaler to women who are breastfeeding should only be considered if the expected benefit to the mother is greater than any possible risk to the child.

DRUG INTERACTIONS

- Potent inhibitors of CYP3A4 (e.g., ketoconazole, itraconazole, voriconazole, posaconazole, clarithromycin, telithromycin, nefazodone and HIV protease inhibitors) are likely to markedly increase plasma levels of Budesonide and concomitant use should be avoided. If this is not possible the time interval between administration of the inhibitor and Budesonide should be as long as possible.
- β blockers (including eye drops) may not only block the pulmonary effect of β_2 agonists, such as Formoterol but may produce severe bronchospasm in patients with asthma. Therefore, patients with asthma should not normally be treated with β blockers. However, under certain circumstances, there may be no acceptable alternatives to the use of β_2 adrenergic blocking agents in patients with asthma. In this setting, cardioselective β blockers could be considered, although they should be administered with caution.
- Concomitant treatment with quinidine, disopyramide, procainamide, phenothiazines and tricyclic antidepressants can prolong the QTc interval and increase the risk of ventricular arrhythmias.
- L-Dopa, L-thyroxine, oxytocin and alcohol can impair cardiac tolerance towards β_2 sympathomimetics.
- Budesonide + Formoterol inhaler should be administered with caution to patients being treated with monoamine oxidase inhibitors or tricyclic antidepressants, or within two weeks of discontinuation of such agents, because the action of Formoterol on the vascular system may be potentiated by these agents.
- There is an elevated risk of arrhythmias in patients receiving concomitant anesthesia with halogenated hydrocarbons.
- Concomitant use of other β_2 adrenergic drugs or anticholinergic drugs can have a potentially additive bronchodilating effect.
- Hypokalemia may increase the disposition towards arrhythmias in patients who are treated with digitalis glycosides.
- The ECG changes and/or hypokalemia that may result from the administration of non-potassium-sparing diuretics (such as loop or thiazide diuretics) can be acutely worsened by β_2 agonists, especially when the recommended dose of the β_2 agonist is exceeded. Caution is advised in the coadministration of Budesonide + Formoterol inhaler with non-potassium sparing diuretics.

OVERDOSAGE

Acute overdosage with Budesonide, even in excessive doses, is not expected to be a clinical problem. When used chronically in excessive doses, systemic glucocorticosteroid effects, such as hypercorticism and adrenal suppression, may appear.

An overdose of Formoterol would likely lead to effects that are typical for β_2 adrenoceptor agonists: tremor, headache, palpitations. Symptoms reported from isolated cases are tachycardia, hyperglycemia, hypokalemia, prolonged QTc-interval, arrhythmia, nausea and vomiting. Supportive and symptomatic treatment may be indicated.

If Budesonide + Formoterol therapy has to be withdrawn due to overdose of the Formoterol component of the drug, provision of appropriate inhaled corticosteroid therapy must be considered.

STORAGE

Do not store above 30°C.
Protect from direct sunlight, heat and frost.
Shake well before use.

As with most inhaled medicinal products in pressurized canisters, the therapeutic effect of this medicinal product may decrease when the canister is cold. The canister should not be broken, punctured or burnt, even when apparently empty.
The expiration date refers to the product correctly stored at the required conditions.

HOW SUPPLIED

FORTIDE (Budesonide + Formoterol fumarate dihydrate) Inhaler 200mcg + 6mcg is available in pack of 1's. Each canister provides 120 inhalations.

Keep out of reach of children.

To be sold on prescription of a registered medical practitioner only.

Please read the contents carefully before use.
This package insert is continually updated from time to time.



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