SEREVENT™ Evohaler™ Salmeterol xinafoate

CHALITATIVE AND CHANTITATIVE COMPOSITION

Tressurised metered-dose inhaler delivering 25 micrograms of salmeterol as salmeterol xinafoate per actuation through the mouthpiece of the actuator. In addition to salmeterol xinafoate, the inhaler also contains q.s. ad 75 mg of the chlorofluorocarbon (CFC)-free propellant Norflurane (also known as HFA 134a or 1,1,1,2 -tetrafluoroethane). PHARMACEUTICAL FORM

Each canister contains 120 actuations CLINICAL PARTICULARS

Therapeutic indications

Continual symptomatic treatment of asti

- in patients requiringfally does of rapid-acting short-duration beta-2 agonists;
- and/orfor nocturnal symptoms;
in combination with continual anti-inflammatory treatment, such as inhaled corti in combination with continual anti-inflammatory

• Preventive treatment of exercise-induced asthma. matory treatment, such as inhaled corticostero

N.B. salmeterol is not a suitable treatment for an asthma attack. In the event of an asthma attack, use a rapid-acting short-duration beta-2 mimetic by Inhalation, depending or the severity, by Injection.

Symptomatic treatment of chronic obstructive pulmonary disease.

N.B. an inhalate orthosteroid should not be combined routinely with a bronchodilator in the treatment of chronic obstructive pulmonary disease.

N.B. an innance corrussressor should not be combined routinely with a pronchoulator in the terament of chronic constructive pulmonary disease. Dosage and method of administration of the property of the class of drug, the dosage or frequency of administration shouldonly be increased on medical advice. SEREVENI is administered by the inhaled route only.

Foradults and children over 4 years old only:

- + Continual symptomatic treatment of asthma:
 Usual dose: 50 μg morning and evening (2 inhalations of 25 μg morning and evening)
- in adults: 100 µg morning and evening (4 inhalations of 25 µg morning and evening)
 In children over 4 years old: there are no data available on the use of dosages above 50 µg twice daily in this indication.

- In children over 4 years out: mere are no acts available on the use of oosages above.
 Preventive treatment of exercise-induced astimus.
 SO µg (2 inhalations of 25 µg) ¹/₂, to 1 hour before exercise.
 Symptomatic treatment of chronicobstructive pulmonary disease:
 in adults: 50 µg morning and evening (2 inhalations of 25 µg morning and evening).

• In adults: So Jig morning and exerting (a minactions or cap pg immining and scanning).
• Intolerance of this medicinal product (appearance of cough or bronchospasm after inhalation of the product). In this case the treatment should be stopped and other treatments or other forms of administration considered.
• Hypersnstitivity to any ingredient of the preparation

Warnings and Precautions
The management of asthma should normally follow a stepwise programme, and patient response should be monitored clinically and by lung function tests.
SEREPLAT Ishould not be initiated in patients with significantly worsening or acutely deteriorating asthma.
Sudden and progressive deterioration of asthma is potentially life threatening and considerations should be given to starting or increasing

Sudden and progressive exterioration or astima is potentially like triviationing and considerations show to give no starting or increasing controlled progressive designations of the controlled progressive interest to the controlled progressive interest to the starting controlled progressive interest to the controlled progressive interest to the controlled progressive interesting as patients are at risk of severestaticisan even death. Physicians should consider using one controlled the charge analog maximum recommended dose of inhalded controlled progressive interesting used from choldistons, in particular short-acting inhalde the L-2 agonists, toreline symptoms indicate deterioration of asthma control. If gathers find that short-acting inhalded back 2 agonists, toreline symptoms indicate deterioration of asthma control. If gathers find that short-acting relief broncholdistor tearner to become its effective or or they need more inhalations than usual, medical attention

If patients find that short-acting relief bronchoidilator treatment becomes iess effective or they need one inhalations than usual, medical attention must be sought. In this shauld broatensts should be reasseed and consideration op leven to the need for increascadint-inflammatory present player (e.g. higher doses of inhalatic corticosteroids or a course of oral corticosteroids). Severe exacerbations of asthma must be treated in the normal way. SEREVATI is not replacement for oral or inhalact corticosteroids. It sever is complementary to them. Patients must be warred not to stop steroid threapy and not to reduce it without medicaladvice even if they feel better on SEREVEXT in them. Patients must be warred not to stop steroid threapy and not to reduce it without medicaladvice even if they feel better on SEREVEXT in soft better or SEREVEXT in soft better or SEREVEXT in soft better or service and the service of the service of the service of the service or se

to patients with a history of diabetes mellitus. SEREVENT should be administered with caution

inistered with caution in patients with thyrotoxicosis.

NetHAM Jound be administred with caution in patients with thyrotoxicosis. Cardionoxular effects, such as increase; in spatic bod pressure and here I take, may occasionally be seen with all sympathonimetic drugs, especially at higher than therapeutic doses. For this reason, SERDANI should be used with caution in patients with pre-existing cardiovoscular diseases. A transient decrease in serum postassium may occur with all sympathonimetic drugs at higher than therapeutic doses. Therefore, SERVENT should be used with caution in patients predigosed to low levels of serum potassium. Patients' inhalter technique should be checked to make sure that aerosol actuation is synchronised with inspiration of breath for optimum delivery of the drug to the lungs.

Utilities you microwy who may be a composite the composition of the co

Pregnancy and Lactation
In animal studies, some effects on the foetus, typical for a beta-2 agonist, occurred at exposure levels substantially higher than those that
occur with therapeulic use. Extensive experience with other beta-2 agonists has provided no evidence that such effects are relevant forwomen

receiving clinical doses.

New York Control Con to the foetus.

to the foetus.

As there is limited experience of the use of salmeterol in nursingmothers its use in such circumstances should only be considered if the expected benefit to the mother is greater than any possible risk to the infant.

Studies in lactating animals support the view that salmeterol is likely to be secreted in only very small amounts into breast milk.

Norflurane (or tetrafluorocthane or HFA 1344): propellant gas

The study of reproductive functions conducted in animals has failed to demonstrate any harmful effects of the administration of norflurane (tetrafluorocthane or HFA 1344) contained in this medicinal product. In the absence of tetratogenic effects in animals, a maiformation effect in humans is not experted. There are flowere, no relevant data currently available in sufficient amounts to evaluate the possible maiformation of control of the control of the possible maiformation of the control of the contr

None reported.

Adverse Reacti

Adverse relations Adverse relations are listed below by system organ class and frequency. Frequencies are defined as: very common [a:1/100], common [a:1/100] and <1/1700], uncommon [a:1/100] and <1/1700], uncommon [a:1/100] and <1/1700], uncommon [a:1/100] and <1/1700], uncommon [a:1/100] and common [a

twicedaily have also been taken to accountwhere appropriate.

Immune system disorders Hypersensitivity Reactions

Uncommon: Rash.

uncummon: Nasn.
Very rare: Anaphylactic reactions including oedema and angioedema, bronchospasm and anaphylactic shock.
Metabolism and nutrition disorders
Very rare: Hyperglycaemia.

Nervous system disorders Common: Tremor an Tremor and headach

The pharmacological side-effects of beta-2 agonist treatment, such as tremor and headache have been reported, but tend to be tran and to reduce with regular therapy. Tremor occurs more commonly when administered at doses higher than 50 micrograms twice daily.

Commun: raphiations: The pharmacological side-effects of beta-2 agonist treatment, such as subjective palpitations have been reported, but tend to be transient and to reduce with regular threapy. Uncommon: Tathyradia.

Tachycardia occurs more commonly when administered at doses higher than 50 micrograms twice daily.

Very rare: CardiacArrhythmias includingatrialfibrillation, supraventricular tachycardia and extrasystoles.

Very are: CardiacArmythmiss includingatrial ibrillation, supraventincular tachycardia and extrasystoles. Regisfator, thoracic and mediastrial disorders. Very are: Orophanyngeal irritation and paradoxical bonchospasm. As with other inhaliational therapy, paradoxical bonchospasm may occur with an immediate increase in wheezing after dosing. This should be treated immediately with a fast-acting inhaled bronchodilator. SEREVENT Evohaler should be discontinued immediately, the patient assessed, and if necessary offermative therapy instituted.

Musculoskeletal and connective tissue disorders Common: Musclecramps.

Arthralgia. Vervrare:

Overdose

Uveransected symptoms and signs of SERENBT overdocage are those typical of excessive beta-2-adrenergic stimulation, including tremor, bease other, beta-words, increases in syntalic bloodpressure, hyperglyseamle and hypotaleamle.

The preferred antidate for overdocage with SERENBT is a cardioalective beta-blocking agent. Cardioselective beta-blocking drugs should be used with caution in patients with history of bronchospasm.

PHARMACOLOGICAL PROPERTIES

Pharmacodynamics Mechanism of Action

Salmeterol is a selective long-acting (12 h) beta-2 adrenoceptor agonist with a long side- chain which binds to the exo-site of the receptor.

Pharmacodynamic properties
Pharmacotherapeutic class: SELECTIVE BETA-2 ADRENERGIC AGONIST

Anti-court nowaris, inhaleddelayed-action long-duration beta-2mimetic bronchodilator.

After inhalation, salmetern exerts selective stimulant action on the beta-2 recentors of bronchial smooth meta-2 recentors of bronchial smooth met

After inhalation of a single dose, bronchodilation begins only 15 minutes after administration and persists for about 12hours. Pharmacokinetics

Salmeterol acts locally in the lung therefore plasmalevels arenot predicative of therapeutic effect. In addition thereare only limited data away liber on the pharmacokinetics of salmeterol because of the technical difficulty of assaying the drug in plasma because of the very low plasma concentrations (approximately 200 picograms/ml or less) adviced after inhaled dosing. Absorption Absorption

Assorption

Assorp

(miceand rats) Nevertheless, kinetic studiescarried out in patients after administration of HFA 134a in a pathological situation have failed to demonstrate

Nevertheless, kinetic studiescarried of the formation of trifluoroacetic acid. Pre-clinical SafetyData Not applica ble. PHARMACEUTICAL PARTICULARS

HARMINGEURGE FARTICOSAIS

List of Excipients

Norflurane (also known as HFA 134a or 1,1,1,2-tetrafluoroethane). Incompatib

None reported

Shelf Life

Sherr Life
The expiry date is indicated on the packaging.
Special Precautions for Storage
SEREVENT Evohaler should be stored below 30°C
Protectfromfrostand directsunlight.

As with most inhaled medications in pressurised metered-dose inhalers, the therapeutic effect of this medication may decrease when the canister is cold.

Thecanister scoul.

Thecanister should not be broken, punctured or burnt, evenwhen apparentlyempty.

Nature and Contents of Container

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Fressured container jaluminum] with a metering valve (polypropylene) dispensing 120 doses.

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SEREVATE Solvaler has been reformulated to remove the chlorofluorocar bon (ECQ propellant. There are no concerns regarding the patients safety of these propellants but they may damage the zone layer in the almosphere. SEREVENT Evohaler contains a CFC-free propellant Norflurane (HFA 134a) which is kinder to the environment.

Tyou have used the original SEREVENT halvels you have find that you are west SEREVENT Evohaler tastes and feels slightly different from the five halvels of the properties of the service of the properties of

original inhaler. on on how to clean your SEREVENT Evohaler carefully. The SEREVENT Evohaler must not be washed with water

Please read the section on









Remove the mouthpiece cover bygently squeezing the sidesof the cover and checkthe mouthpiece inside and outside tosee that it is clean.

Shake the inhalerwell

Hold the inhaler upright between fingers and thumb with your thumb on the base, below the mouthpiece.

Breatheout as far as is comfortable and then place the mouth piece in your mouth between your teeth and close your lips around it but do not hite it

Just after starting to breathe in through your mouth press down on the top of the inhaler to release SEREVENT while still breathing in steadily and deeply.

While holding your breath, take the inhaler from your mouth and take your finger from the top of the inhaler. Continue holding your breath for as long as is comforta bic.

If you are to take a further puffkeepthe inhalerupright and wait about half a minute beforerepeatingsteps 2 to 6.

8. Afteruse always replace the mouthpiecescover to keep out dustand fluff.

The mouthpiece cover is replaced by firmly pushing and snapping these pin top position.

Important:

Do not usis stages 4, 5 and 6. It is important that you start to breathe in as slowly as possible just before operatingyour inhaler.

Practise in front of a mirror for the first few times. If you see "mist" coming from the top of your inhaler or the sides of your mouth you

should start again fromstage 2. If your doctor has given you different instructions for using your inhaler, please follow them carefully. Tell your doctor if you haveany difficulties. Children

Council forms mayneed help and theirparents mayneed to operate the inhaler for them. Encourage the child to breathe out and operate the inhaler justafter the child stars to breathein. Practice the technique together. Olderchildren or people with weak hands should hold the inhaler with both hands. But the two forefingers on top of the inhaler and both thum to on the base below the mouthpiece. Cleaning: Your inhal

aler should be cleaned at leastonce a week

If inflate, about to execute a second of the control of the contro

4. Replace the mouthpiececover.
DO NOT PUT THE METAL CANISTER INTO WATER.

DO Not no Intellect.

Figure Inhalerts and been used for a week or more release one puff into the air to makesure that it works.

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THIS IS A MEDICAMENT

Medicament is a product which affects your health and its consumption contrary to instructions is dangerous for you.

Follow strictly the doctor's prescription, the method of use and the instructions of the pharmacist who sold the medicament.

- The doctor and the pharmacist are the experts in medicines, their benefits and risks.

- Do not by yourself interrupt the period of treatment prescribed.

- Donot repeat the same prescription without consultingyour doctor.

Keepall medicaments out of reach of children Council of Ara b Health Ministers.

Union of Ara b Pharmacists

