Cipla

Tiotropium Bromide, Formoterol

patient information

leaflet

please read this leaflet

completely before use

ABOUT YOUR TRIOHALE-T INHALER

PARTS OF THE INHALER



Your TRIOHALE-T inhaler

now comes with a dose indicator. It shows the number of puffs in the inhaler. As you use the inhaler, the dose indicator will countdown and indicate the number of puffs remainina.

HOW TO KNOW THAT YOUR TRIOHALE-T INHALER IS GETTING OVER

When there are 40 puffs remaining, the colour of the numbers will change from green to red.



This indicates that fewer doses are remaining in the inhaler. You should now consider getting a new inhaler or ask your doctor if you need another one.

When the dose indicator

displays '0', this means that there is no more medicine left in the inhaler & you need to discard the inhaler. Your inhaler may not feel empty & it may continue to operate, but you will not get the right amount of medicine, if you keep using it beyond '0'.



21051659

SUMMARY OF PRODUCT CHARACTERISTICS OF TRIOHALE-T INHALER (CFC FREE) 1 NAME OF THE MEDICINAL PRODUCT

Triobale-T Inhaler (CEC ERFE) 200 MD (Tiotropium bromide, formoterol fumarate and ciclesonide)

2. QUALITATIVE AND QUANTITATIVE COMPOSITION Each actuation deliver Formoterol Furmarate Dihydrate Dh. Fur Ciclesonide 200 mcg

Succended in Propellant HEA 227 3 PHARMACEUTICAL FORM Metered dose Inhale

A CLINICAL PARTICILLARS 4 1 Theraneutic indications

Symptomatic treatment of patients with severe COPD (FEV 1<50% oredicted normal) and a history of repeated exacerbations, who have significant symptoms despite regular therapy with long-acting bronchodilators

4.2 Posology and method of administration

The recommended dosage is the inhalation of two puffs, once daily. This inhaler may be used with a spacer device in patients who find it difficult to synchronize aerosol actuation with inspiration of breat A 2 Contraindigations

Triphale-T Inhaler is contraindicated in patients with hypersensitivity to tiotropium bromide, atropine or its derivatives, e.g. ipratropium or ovitronium. Formateral fumarate or Cicleconide or to the excinients in the inhaler

A A Special warnings and presoutions for use Tiotronium bromide

incorport formation for the second i.e. rescue therapy.

Immediate hypersensitivity reactions may occur after administration of tiotronium bromide inhalation

Consistent with its anticholinercic activity, totronium bromide should be used with caution in patients with narrow-angle glaucoma, prostatic hyperplasia or bladder-neck obstruction. (see section 4.8). Inhaled medicines may cause inhalation-induced bronchospasi

Intronium should be used with caution in natients with recent myocardial infarction < 6 months: any unstable or life threatening cardiac arrhythmia or cardiac arrhythmia requiring intervention or a change in drug therapy in the past year; hospitalisation of heart failure (NYHA Class III or IV) within the past year. These patients were excluded from the clinical trials and these conditions may be affected by the anticholineraic mechanism of action As plasma concentration increases with decreased renal function in patients with moderate to severe renal impairment (creatinine clearance \leq 50 ml/min) tiotropium bromide should be used only if the expected benefit outweighs the potential risk. There is no long term experience in patients with severe renal impairment (see section 5.2).

Patients should be cautioned to avoid getting the drug come in contact with their eyes. They should be advised that this may result in precipitation or worsening of narrow-angle glaucoma, eve pain or discomfort, temporary blurring of vision, visual halos or coloured images in association with red eves from conjunctival congestion and corneal oedema. Should any combination of these eve symptoms develop, patients should stop using tintronium bromide and consult a specialist immediately.

Dry mouth, which has been observed with anti-cholinergic treatment, may in the long term be associated with dental caries. Tiotronium bromide should not be used more frequently than once daily (see section 4.9)

Formeterol fumarate

Formeterol fumarate should not be used (and is not sufficient) as the first treatment for asthma.

Asthmatic relations who require therapy with long-acting 8, agonists, should also receive optimal maintenance anti-inflammatory therapy with corticosteroids. Patients must be advised to continue taking their anti-inflammatory therapy after the introduction of formotorio even when symptoms decrease. Should symptoms persist, or treatment with B_2 agonists need to be increased, this indicates a worsening of the underlying condition and warrants a reassessment of the maintenance thera.

Although formeterol fumarate may be introduced as add-on therapy when inhaled corticosteroids do not provide adequate control of asthma symptoms, patients should not be initiated on formeterol fumarate during an acute severe asthma exacerbation, or if they have significantly ening or acutely deteriorating asthma.

Serious asthma-related adverse events and exacerbations may occur during treatment with formeterol fumarate. Patients should be asked to continue treatment but to seek medical advice if asthma symptoms remain uncontrolled or worsen after initiation of formeterol fumarate.

Formeterol fumarate should be used strictly in accordance with the dosage recommendations. Once asthma symptoms are controlled, consideration may be given to gradually reducing the dose of formeterol fumarate Regular review of patients as treatment is stepped down is important. The lowest effective dose of formeterol fumarate should be used.

The maximum daily dose should not be exceeded. A sudden and progressive deterioration of the asthmatic disorder can be life-threatening and requires immediate medical intervention. Considerabl

exceeding the progressive in according to the total daily dose can be hazardound unto the total according to total

Caution should be observed when treating patients with third degree atrioventricular block, refractory diabetes mellitus, thyrotoxicosis, plaeochromocytoma, bypertrohoic obstructive cardiomyonathy, idiopathic subvalvular aortic stenosis, severe hypertension, aneurysm or other severe cardiovascular disorders, such as ischaemic heart disease, tachyarrhythmias or severe heart failure and occlusive vascular diseases, especially arteriosclerosis.

Formoterol may induce prolongation of the QTc-interval. Caution should be observed when treating patients with prolongation of the QTc-interval. en Connenital or drug-induced (OTc > 0.44 seconds) and in patients treated with drugs affecting the OTc-interval (see section 4.5)

Due to the hyperglycaemic effects of B,-agonists, additional blood glucose monitoring is recommended initially in diabetic patients If anaesthesia with halogenated anaesthetics is planned, it should be ensured that formeterol fumarate is not administered for at least 12 hours

before the start of anaesthesia Paradoxical bronchospasm

As with every inhalation therapy, the potential for paradoxical bronchospasm should be considered. If it occurs, the treatment should be discontinued immediately and alternative therapy started (see section 4.8).

Hunokalaamia ordentially serious hypokalaemia may result from 6,-agonist therapy. Particular caution is recommended in acute severe asthma as the associated risk may be automented by hypoxia. The hypokalaemic effect may be potentiated by concomitant treatment with xanthine-derivatives, steroids and diuretics. The serum potassium levels should therefore be monitored.

Therefore potassium levels have to be regularly monitored particularly in patients with low basic potassium values or peculiar risks for decreased blood potassium levels. The monitoring should also be conducted if no decreased levels occurred under previous treatment with short acting β

-sympathomimetics. Where applicable, potassium has to be substituted

Due to decreased serum potassium levels the effect of digitalis containing medicinal products is enhanced

Ciclesonide

As with all inhaled corticosteroids, ciclesonide should be administered with caution in patients with active or quiescent pulmonary tuberculosis, fungal, viral or bacterial infections, and only if these patients are adequately treated. As with all inhaled corticosteroids, ciclesonide is not indicated in the treatment of status asthmaticus or other acute episodes of asthma where

intensive measures are required As with all inhaled corticosteroids, ciclesonide is not designed to relieve acute asthma symptoms for which an inhaled short-acting bronchodilator

is required. Patients should be advised to have such rescue medication available. Systemic effects of inhaled corticosteroids may occur, particularly at high doses prescribed for prolonged periods. These effects are much less likely

to occur than with oral corticosteroids. Possible systemic effects include adrenal suppression, growth retardation in children and adolescents, decrease in bone mineral density, cataract and plaucoma, and more rarely, a range of psychological or behavioural effects including psychomol hyperactivity, sleep disorders, anxiety, depression or aggression (particularly in children). It is therefore important that the dose of inhaled corticosteroid is titrated to the lowest dose at which effective control of asthma is maintained.

It is recommended that the height of children and adolescents receiving prolonged treatment with inhaled corticosteroids is regularly monitored. If growth is slowed, therapy should be reviewed with the aim of reducing the dose of inhaled conticosteroid, if possible to the lowest dose at which ffective control of asthma is maintained. In addition, consideration should be given to referring the patient to a paediatric respiratory specialist There is no data available in patients with severe hepatic impairment. An increased exposure in patients with severe hepatic impairment is expected and these patients should therefore be monitored for potential systemic effects

The benefits of inhaled ciclesonide should minimise the need for oral steroids. However, patients transferred from oral steroids remain at risk of impaired adrenal reserve for a considerable time after transferring to inhaled ciclesonide. The possibility of respective symptoms may persist for some time

These patients may require specialised advice to determine the extent of adrenal impairment before elective procedures. The possibility of residual impaired adrenal response should always be considered in an emergency (medical or surgical) and elective situations like appropriate corticosteroid treatment considered.

For the transfer of patients being treated with oral corticosteroids

The transfer of oral steroid-dependent patients to inhaled ciclesonide, and their subsequent management, needs s impaired adrenocortical function, caused by prolonged systemic steroid therapy, may take a considerable time. Patients who have been treated with systemic steroids for long periods of time, or at a high dose, may have adrenoc

patients adrenocortical function should be monitored regularly and their dose of systemic steroid reduced cautiously After approximately a week, gradual withdrawal of the systemic steroid is started by reducing the dose by 1 mg prednisolone per week, or its

equivalent. For maintenance doses of prednisolone in excess of 10 mg daily, it may be appropriate to cautiously use larger reductions in dose at weekly intervale

Some nations feel unwell in a non-specific way during the withdrawal phase despite maintenance or even improvement of respiratory function. Th should be encouraged to preservere with inhaled ciclesonide and to continue withdrawal of systemic storing unless there are objective sins of adrenal insufficience

Balante transformed from oral staroids whose advancestical function is still impaired should carry a staroid warning card indication that they need rational analysis of the second warming as the second and the seco trauma etc

Replacement of systemic steroid treatment with inhaled therapy sometimes unmasks allernies such as allernic rhinitis or eczema previously controlled by systemic drug

Paradovical prophocosem with an immediate increase of wheeving or other symptoms of bronchoconstriction after doking should be treated with an inhaled short-acting bronchodilator, which usually results in quick relief. The patient should be assessed and therapy with ciclesonide should on the continued, if after careful consideration the expected benefit is greater than the possible risk. Correlation between severity of asthma and general susceptibility for acute bronchial reactions should be kept in mind (see section 4.8). Patients inhaler technique should be checked regularly to make sure that inhaler actuation is synchronised with inhaling to ensure optimum delivery to the lunas

Concomitant treatment with ketoconazole or other potent CYP3A4 inhibitors should be avoided unless the benefit outweights the increased risk of systemic side effects of continueteroids (see section 4.5)

4.5 Interaction with other medicinal products and other forms of interaction

Interpreter and the interaction studies have been performed, tiotronium bromide has been used concomitantly with other druns commonly valuous no formal of use function solutions have been performed, burghan bornine has been used continuantly with other ungs common sed in the treatment of COPD and asthma, including sympathomimetic bronchodilators, methylxanthines, oral and inhaled steroids, antihistamines nuclotics, leukotriene modifiers, cromones, anti-loE treatment without clinical evidence of drug interactions. Use of LABA or ICS was not found to alter the exposure to tiotronium The co-administration of tintronium bromide with other anticholinergic containing drugs has not head studied and therefore is not recommended

Formeterol fumarate specific interaction studies have been carried out with formoterol

There is a theoretical risk that concomitant treatment with other drugs known to prolong the QTc-interval may give rise to a pharmacodynami Interaction with formoterol and increase the possible risk of ventricular arrhythmias. Examples of such drugs include certain antihistamines (e.g. terfanadine, astemizole, mizolastine), certain antihistamines (e.g.

Concomitant administration of other sympathomimetic substances such as other ß,-agonists or ephedrine may potentiate the undesirable effects of prmoterol fumarate and may require titration of the dose.

Serious undesirable effects consistent with anticholinergic effects include glaucoma, constipation and intestinal obstruction including ileus paralytic The simultaneous use of formateral and theonhulline can result in mutual notentiation of effects, and there is also the likelihood of increased undesirable effects such as cardiac dysrhythmia. Compounds which themselves potentiate sympathomimetic effects, such as L-dopa, L-thyroxine, as well as urinary retention oxytocin or alcohol, can also affect cardiovascular regulation when taken at the same time as formoterol. Other special population i increase in anticholinergic effects may occur with increasing age. Administration of formoterol fumarate to patients being treated with monoamine oxidase inhibitors or tricyclic antidepressants should be performed Reporting of suspected adverse reactions Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk with caution, since the action of β 2-adrenergic stimulants on the cardiovascular system may be potentiated Concomitant treatment with vanihing derivatives, steroids, or divirging such as thiazides and loop divirging may notentiate a rare hypokalagmic dverse effect of β,-agonists. Hypokalaemia may increase the disposition towards arrhythmias in patients who are treated with digitalis glycosides. halance of the medicinal product Formeterol fumarate

There is an elevated risk of arrhythmias in patients receiving concomitant anaesthesia with halogenated hydrocarbons. he most commonly reported adverse events of β₂-agonist therapy, such as tremor and palpitations, tend to be mild and disappear within a few days The bronchodilating effects of formoterol can be enhanced by anticholinergic drugs. B -adrenergic blockers may weaken or inhibit the effect of of treatment formoterol fumarate Adverse reactions, which have been associated with formoterol, are listed below by system organ class and frequency. Frequency is defined as: Very Therefore, formoterol fumarate should not be given together with 8-adrenergic blockers (including eve drops) unless there are compelling reasons Common (>1/10) Common (>1/100 <1/10) Lincommon (>1/1000 <1/100) Bare (>1/10000 <1/1000) Very rate (<1/10000) or their use.

In vitro data indicate that CYP3A4 is the major enzyme involved in the metabolism of the active metabolite of ciclesonide M1 in man. In a drug-drug interaction study at steady state with ciclesonide and ketoconazole as a potent CYP3A4 inhibitor, the exposure to the active metabolite and increased approximately 3.5-fold whereas the exposure to ciclesonide was not affected. Therefore the concomitant administration of ontent minitors of CVP 3A4 (e.g. ketoconsole, irracouse) and irtonavir or cellinavir) should be avoided unless the benefit outweights the increased risk of systemic side effects of corticosteroids.

4.6 Pregnancy, lactation and Fertility

here are no adequate and well-controlled studies of Tiotropium. Formoterol or Ciclesonide in pregnant women. As with any medicine, use of iotropium bromide, formoterol fumarate and ciclesonide Inhaler during pregnancy should only be considered if the expected benefit to the mother is greater than any risk to the foetus

ti sunknown whether inhaled Tiotropium. Formoterol or Ciclesonide is excreted in human breast milk. Administration of tiotropium bromide formaterol fumarate and cleasonide 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.

nical data on fertility are not available for tiotronium

4.7 Effects on ability to drive and use machines

Tiotronium bromide

in studies on the effects on the ability to drive and use machines have been performed. The occurrence of dizziness, blurred vision, or beadache nay influence the ability to drive and use machinery. Formeterol fumarate

neterol fumarate has no influence on the ability to drive and use machines

Ciclesonide nhaled ciclesonide has no or neoligible influence on the ability to drive and use machines

A 8 Undesirable offects Tintronium hromide

mary of the safety profil Many of the listed undesirable effects can be assigned to the anticholinergic properties of tiotropium bromide

abulated summary of adverse reactions

from four weeks to four years

requency is defined using the following convention

(ery common (≥1/10); common (≥1/100 to <1/10); uncommon (≥1/1,000 to <1/100); rare (≥1/10,000 to <1/1,000); very rare (<1/10,000), not known (cannot be estimated from the available data)

System Organ Class / MedDRA Preferred Term Frequency tabolism and nutrition disorders rvous system disorder Taste disorders Eye disorders aocular pressure increa Cardiac disorders entricular tachycardia Respiratory, thoracic and mediastinal disorders

ins likely to produce stress, and	Condu		
	Bronchospasm		
	Epistaxis		
special care as recovery from	Laryngitis		
cortical suppression. With these	Sinusitis		
ortiour suppression. With these	Gastrointestinal disorders		









Triohale-T inhaler

he frequencies assigned to the undesirable effects listed below are based on crude incidence rates of adverse druo reactions (i.e. events attributed o tiptropium) observed in the tiptropium group (9,647 patients) from 28 pooled placebo-controlled clinical trials with treatment periods ranging

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Gastrooesophageal reflux disease	Uncommon
Constipation	Uncommon
Oropharyngeal candidiasis	Uncommon
Intestinal obstruction, including ileus paralytic	Rare
Gingivitis	Rare
Glossitis	Rare
Dysphagia	Rare
Stomatitis	Rare
Nausea	Rare
Dental caries	Not known
Skin and subcutaneous tissue disorders, immune system disorders	
Rash	Uncommon
Urticaria	Rare
Pruritus	Rare
Hypersensitivity (including immediate reactions)	Rare
Angioedema	Rare
Anaphylactic reaction	Not known
Skin infection, skin ulcer	Not known
Dry skin	Not known
Musculoskeletal and connective tissue disorders	
Joint swelling	Not known
Renal and urinary disorders	
Dysuria	Uncommon
Urinary retention	Uncommon
Urinary tract infection	Rare
Description of calestad advarsa reactions	

is controlled clinical studies, the commonly observed undesirable effects were anticholineraic undesirable effects such as dry mouth which occurred n annroximately 4% of natients

In 28 clinical trials, dry mouth led to discontinuation in 18 of 9 647 tiotronium treated natients (0.2%).

System organ Class	Adverse Reaction	Frequency
Blood and lymphatic system disorders	Thrombopenia	Very rare
Immune system disorders	Hypersensitivity reactions, e.g. angioedema, bronchospasm, exanthema, urticaria, pruritus.	Rare
Metabolism and nutrition disorders	Hypokalaemia, hyperglycaemia	Uncommon
Psychiatric disorders:	Agitation, restlessness, sleep disorder	Uncommon
	Abnormal behaviour, hallucination	Very rare
Nervous system disorders	Tremor, headache	Common
	Dizziness, taste disturbances	Uncommon
	Central nervous system stimulation	Very rare
Cardiac disorders	Palpitations	Common
	Tachycardia	Uncommon
	Cardiac arrhythmias, e.g. atrial fibrillation, supraventricular tachycardia, extrasystoles, Angina pectoris	Rare
	Prolongation of QTc interval	Very rare
Vascular disorders	Variation in blood pressure	Rare
Respiratory, thoracic and mediastinal disorders	Cough	Common
	Throat irritation	Uncommon
	Bronchospasm paradoxical (see section 4.4)	Rare
	Dyspnoea, exacerbation of asthma	Very rare
Gastrointestinal disorders	Nausea	Uncommon
Skin and subcutaneous tissue disorders	Hyperhidrosis	Uncommon
Musculoskeletal and connective tissue disorders	Muscle cramps, myalgia	Uncommon
Renal and urinary disorders	Nephritis	Rare
General disorders and admnistration site conditions	Oedema peripheral	Very rare

General disorders and admnistration site conditions Oedema peripheral

Nausea, dysgeusia, throat irritation, hyperhidrosis, restlessness, headache, dizziness and muscle cramps may resolve spontaneously within one to two weeks of continued treatment.

Central nervous system stimulating effects have been sporadically reported following inhalation of B.-sympathomimetics, manifesting as excitability. These effects were mainly observed in children up to 12 years of age.

reatment with R-agonists may result in an increase in blood levels of insulin, free fatty acids, glycerol and ketone bodies Reporting of suspected adverse reactions

porting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product

Ciclesonide

Approximately 5% of patients experienced adverse reactions in clinical trials with Ciclesonide given in the dose range 40 to 1280 micrograms per day. In the majority of cases, these were mild and did not require discontinuation of treatment with Cicles

Frequency	Uncommon	Rare	Unknown
System Organ Class	(>1/1,000, <1/100)	(1/10,000 - 1/,1000)	
Cardiac Disorders		Palpitations**	
Gastrointestinal Disorders	Nausea, vomiting* Bad taste	Abdominal pain* Dyspepsia*	
General disorders and administration site conditions	Application site reactions Application site dryness		
Immune System		Angioedema	
Disorders		Hypersensitivity	
Infections and infestations	Oral fungal infections*		
Nervous System Disorders	Headache*		
Psychiatric Disorders			Psychomotor hyperactivity, sleep disorders, anxiety, depression, aggression, behavioural changes (predominantly in children)
Respiratory, thoracic and mediastinal disorders	Dysphonia Cough after inhalation* Paradoxical bronchospasm*		
Skin and subcutaneous tissue disorders	Eczema and rash		
Vascular disorders		Hypertension	

Similar or lower incidence when compared with placebo

* Paloitations were observed in clinical trials in cases mostly confounded with concomitant medication with known cardiac effects (e.g. theophylline or salbutamol).

Paradoxical bronchospasm may occur immediately after dosing and is an unspecific acute reaction to all inhaled medicinal products, which may be related to the active substance, the excipient, or evaporation cooling in the case of metered dose inhalers. In severe cases, withdrawal of ciclesonide

should be considered

Systemic effects of inhaled corticosteroids may occur, particularly at high doses prescribed for prolonged periods. Possible systemic effects include Cushing's syndrome, Cushingoid features, adrenal suppression, growth retardation in children and adolescents, decrease in bone mineral density, cataract nationam (see also section 4.1)

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product

4.9 Overdose:

Tiotropium bromide

High doses of tiotropium bromide may lead to anticholinergic signs and symptoms.

However, there were no systemic anticholinergic adverse effects following a single inhaled dose of up to 340 microgram tiotropium bromide in healthy volunteers. Additionally, no relevant adverse effects, beyond dry mouth, were observed following 7 day dosing of up to 170 microgram tiotropium bromide in healthy volunteers. In a multiple dose study in COPD patients with a maximum daily dose of 43 microgram tiotropium bromide over four weeks to inonificiant undersible effects have been observed.

Acute intoxication by inadvertent oral ingestion of tiotropium bromide capsules is unlikely due to low oral bioavailability.

Formeterol fumarate

There is limited clinical experience on the management of overdose. An overdosage of formeterol fumarate would be likely to lead to effects that are typical of B₂-adrenergic agonists: headache, tremor, palpitations. Symptoms reported from isolated cases are tachycardia, prolonged QTc interval, ventricular arrhythmias, metabolic acidosis, hypokalaemia, hyperglycaemia, nausea, vomiting and somnolence. Treatment of Uverdose

Transmin of Versions and Symptomatic treatment is indicated. Serious cases should be hospitalised. Use of cardioselective β-adrenergic blockers may be considered, but only subject to extreme caution since the use of β-adrenergic blocker medication may provoke bronchospasm. Serum potassium should be monitored

<u>Ciclesonide</u>

Acute:

Inhibition by healthy volunteers of a single dose of 2880 micrograms of ciclesonide was well tolerated. The potential for acute toxic effects following overdose of inhaled ciclesonide is low. After acute overdosage no specific treatment is necessary

<u>Unronic:</u> After prologe administration of 1280 micrograms of ciclesonide, no clinical signs of adrenal suppression were observed. However, if higher than recommended dosane is continued over prolonged periods, some deniere of adrenal suppression cannot be excluded. Monitorion of adrenal reserve

may be necessary.

 PHARMACULUGICAL PROPERTIES: his Inhaler contains tiotropium bromide, formoterol fumarate and ciclesonide.

5.1 Pharmacodynamic properties:

Tintronium hromide

Pharmacotherapeutic group: Other drugs for obstructive airway diseases, inhalants, anticholinergics ATC code: R038 R04

ATG CODE: RU3B BU4 Mechanism of action

Tiotropium bromide is a long-acting, specific, muscarinic receptor antagonist, in clinical melicine often called an anticholmengic. By binding to the muscarinic receptors in the bronchial smooth musculature, tiotropium bromide inhibits the cholinergic (bronchoconstrictive) effects of acel/choline, relaxed from parsympathetic nerve endings. It has similar affinity to the subtypes of muscarinic receptors, M, to M, in the airways, tiotropium bromide competitively and reversibly antagonises the M, receptors, resulting in relaxation. The effect was does dependent and lasted longer than 24.1. The long duration is probably due to the very slow discustion from the M, receptor, seluciting a significantly longer discusciant half-life than ipratropium. As an N-quaternary anticholinergic, totropium bromide is topically (broncho-) eslective when administered by inhalation, demonstrating an acceptable therapeutic range before systemic anticholinergic effects may occur.

Pharmacodynamic effects

The bronchodilation is primarily a local effect (on the airways), not a systemic one. Dissociation from M_receptors is faster than from M_, which in functional in vitro studies, elicited (kinetically controlled) receptor subtype selectivity of M_over M_The high potency and slow receptor dissociation found its clinical correlate in significant and long-acting bronchodiation in patients with COPD.

Cardiac electrophysiology

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Clinical efficacy and safety

tormal initial and safety that safety in the initial of the initia

Lung function

End punction Totopoint bromide, administered once daily, provided significant improvement in lung function (forced expiratory volume in one second, FEV, and forced vital capacity, FCV within 30 minutes following the first dose which was maintained for 24 hours. Pharmacodynamic steady state was reached within one week with the majority of bronchordiation observed by the third day. Thotopium bromides significantly improved morning and evening PEFR (peak expiratory flow rate) as measured by patient's daily recordings. The bronchodilator effects of tiotropium bromide were maintained thromolutul the one-were nericed ad administration with one vidence of tolerance.

A randomised, placebo-controlled clinical study in 105 COPD patients demonstrated that bronchodilation was maintained throughout the 24 hour dosing interval in comparison to placebo regardless of whether the drug was administered in the morning or in the evening.

Long-term clinical trials (6 months and 1 year)

Dyspnoea, Exercise tolerance

The proprime bromide significantly improved dyspneea (as evaluated using the Transition Dyspneea Index.). This improvement was maintained throughout the treatment period. The innord of improvements in dysonnea on eversive tolerance was investinated in two randomised double-blind placeho-controlled triats in 433.

The impact or improvements in dysphore on exercise toterance was investigated in two randomised, obuite-build, patiend-ordinate in 4-s, patients with moderate to severe COPD. In these trials, six weeks or treatment with biotrophum bromide significantly improved symptom-limite exercise endurance time during cycle ergometry at 75% of maximal work capacity by 19.7% (Trial A) and 28.3% (Trial B) compared with placebo.

Health-related Quality of Life in a 9-month, readomized, double-blind, placebo-controlled clinical trial of 492 patients, tiotropium bromide improved health-related quality of life as determined by the 51. George's Respiratory Questionnairs (SGRQ) total score. The proportion of patients treated with tiotropium bromide which achieved a maningful improvement in the SGRQ total score (i.e. > 4 units) was 10.9% higher compared with placebo (59.1% in the totropium bromide groups: x 42% in the placebo group (o-0.029). The mean difference between the groups was 4.19 units (o-0.001; confidence interval: 1.69 – 6.65). The improvements of the subdomains of the SGRQ-score were 8.19 units for "surphys", 3.91 units for "activity" and 3.61 units for "impact on daily life". The improvements of all otheres separate subdomains were statistically significant.

COPD Exacerbations

In a randomized, double-blind, placebo controlled trial of 1,829 patients with moderate to very server COPD, tiotropium bromide statistically significantly reduced the proportion of patients who experienced exacerbations of COPD (32.2% to 27.8%) and statistically significantly reduced the number of exacerbations by 19% (15.6 to 8.5 events per patient) year of exposure). In addition, 7.0% of patients in the tiotropium bromide group and 9.5% of patients in the placebo group were hospitalized due to a COPD exacerbation (p=0.056). The number of hospitalizations due to COPD was reduced by 30% (02.5 to 1.18 events per patient) year of exposure).

A one-year randomised, double-blind, double-dummy, parallel-group trial compared the effect of treatment with 18 microgram of tiotropium bromide once daily with that of 50 microgram of salmeterol IHFA pMDI twice daily on the incidence of moderate and severe exacerbations in 7,376 patients with COPD and a history of exacerbations in the preceding year.

Table 1: Summary of exacerbation endpoints

Endpoint	tiotropium bromide 18 microgram (HandiHaler) N = 3,707	Salmeterol 50 microgram (HFA pMDI) N = 3,669	Ratio (95% CI)	p-value
Time [days] to first exacerbation ⁺	187	145	0.83 (0.77 - 0.90)	<0.001
Time to first severe (hospitalised) exacerbation [§]	-		0.72 (0.61 - 0.85)	<0.001
Patients with ≥1 exacerbation, n (%)*	1,277 (34.4)	1,414 (38.5)	0.90 (0.85 - 0.95)	<0.001
Patients with ≥1 severe (hospitalised) exacerbation, n (%)*	262 (7.1)	336 (9.2)	0.77 (0.66 - 0.89)	<0.001

⁺Time (days) refers to 1st quartile of patients. Time to event analysis was done using Cox's proportional hazards regression model with (pooled) centre and treatment as covariate; ratio refers to hazard ratio.

¹Time to event analysis use done using Cox's proportional hazards regression model with (pooled) centre and treatment as covariate; ratio refers to hazard ratio. Time (days) for the 1st quartile of patients cannot be calculated, because proportion of patients with severe exacerbation is too low. Number of patients with event were analysed using Contram-Mantef-Hamazel test stratified by pooled center; ratio refers to risk ratio.

Compared with salmeterol, liotropium bromide increased the time to the first excerchation (187 days vs. 145 days), with a 17% reduction in risk (hazard ratio, 0.83; 95% confidence interval (CI), 0.77 to 0.90; Pc-0.001). Tiotropium bromide also increased the time to the first severe (hospitalised) exacerbation (hazard ratio, 0.72; 95% CI, 0.61 to 0.65; Pc-0.001).

Long-term clinical trials (more than 1 year, up to 4 years)

In a 4-year, randomised, double-blind, placebo-controlled clinical trial of 5,993 randomised patients (3 006 receiving placebo and 2,987 receiving tiotropium bromide), the improvement in FEV, resulting from tiotropium bromide, compared with placebo, remained constant throughout 4 years. A higher proportion of platents completed > 45 months of tratement in the tiotropium bromide group compared with the placebo group (63 % vs. 55.4%, p-0.001). The annualized rate of decline of FEV, compared to placebo was similar between tiotropium bromide and placebo. During treatment, there was a 16% reduction in the risk of death. The incidence rate of death was 4.79 per 100 patient years in the placebo group vs. 4.10 per 100 patient years in the tiotropium group (hazard ratio (tiotropium)placebo) = 0.84, 95% CI = 0.73, 0.97). Treatment with tiotropium reduced the risk of respiratory failure (as recorded through adverse event reporting) by 19% (2.09 vs. 1.68 cases per 100 patient years, relative risk (tiotropium)placebo) = 0.81, 95% CI = 0.65, 0.999). *Totropium adverse-ontrolifet study*.

Indicipant active continues suby A long-term, target scale randomised, double-blind, active-controlled study with an observation period up to 3 years has been performed to compare the efficacy and safety of tiotropium bromide HandiHaler and tiotropium bromide Respirat (5,694 patients receiving tiotropium bromide HandiHaler; 5,711 patients receiving tiotropium bromide Respirat). The primary endpoints were time to first COPD exacerbation, time to all-cause mortality and in a sub-study (9) for patients) from (1FV (ore-fields)).

The time to first COPD exacerbation was numerically similar during the study with tiotropium bromide HandiHaler and tiotropium bromide Respirat. (hazar draito (totropium bromide HandiHaler) tiotropium bromide Respirat) 1.02 with a 95% Ci of 0.97 to 1.08). The median number of days to the first COPD exacerbation was 71 days for futbromiom bromide HandiHaler and 756 dras for Untonnium bromide Respirat.

The bronchodilator effect of tiotropium bromide HandiHaler was sustained over 120 weeks, and was similar to tiotropium bromide Respinat. The mean difference in trough FPV, for tiotropium bromide Handi Haler versus tiotropium bromide Respinat was 0.010 L (95% - 10-018 to 0.038). In the post-marketing TaSpir study, comparing tiotropium bromide Respinat and tiotropium bromide HandiHaler, all-cause mortality including vital status follow up was similar during the study with tiotropium bromide HandiHaler and Tiotropium bromide Respinat (hazard ratio (tiotropium bromide HandiHaler) totropium bromide Respinat 1.01 with a 95% coli 0.031 to 1.91 to 1.91.

Paediatric population The European Medicines Agency has waived the obligation to submit results of studies with tiotropium bromide in all subsets of the paediatric population in COPD and cyclic fibrosis

Formateral fumarate

Pharmacotherapeutic group: Adrenergics, inhalants; selective 62-adrenoreceptor agonists ATC-code: R03 AC13

Formoterol is a predominantly selective β_c stimulator. Formoterol has bronchodilator activity in patients with reversible obstructive airway diseases. The onsel of action is observed within one to three minutes. Significant bronchodilation is still present 12 hours after inhalation. In bumans formoteronic is effective in the nonphytaxis of bronchorasem induced by methacoline challence

<mark>Ciclesonide</mark> Pharmacotheraneutic oroum: Other drugs for obstructive airway diseases. Inhalants: Glucocordicoids: ATC Code: RO3B AD8

Ciclesonide exhibits low binding affinity to the glucocorticoid-receptor. Once orally inhaled, ciclesonide is enzymatically converted in the lungs to the principal metabolite (C21-des-methylpropionyl-ciclesonide) which has a pronounced anti-inflammatory activity and is thus considered as the active metabolite.

In four clinical trials, ciclesonide has been shown to reduce airway hyper responsiveness to adenosine monophosphale in hyperreactive patients with maximal effect observed at the dose of 640 micrograms. In another trial, pretreatment with ciclesonide for seven days significantly attenuated the early and late phase reactions following inlated allergen challenge. Inlated ciclesonide treatment was also shown to attenuate the inframmotory cells (total excinonis) and inflammotory mediators in injurved contum

A controlled study compared 24-hour plasma cortisol AUC in 26 adult asthmatic patients following 7 days of treatment. Compared to placebo, treatment with ciclesonide 320, 640, and 1.280 micrograms/day did not statistically significantly lower the 24-hour time averages of plasma cortisol (AUC ..., 24 hours) nor was a dose-deendent effect seen.

Ver USAN Trial involving 164 adult male and female asthmatic patients, ciclesonide was given at doses of 320 micrograms or 640 micrograms/day over 12 weeks. After stimulation with 1 and 250 micrograms cosyntropin, no significant changes in plasma cortisol levels were observed versus neceho

Double-blind placebo-controlled trials of 12-weeks duration in adults and adolescents have shown that treatment with ciclesonide resulted in improved lung function as measured by FEV, and peak expiratory flow, improved asthma symptom control, and decreased need for inhaled beta-2 anonist

In 12-week study of 680 severe asthmatics, previously treated with 500-1.000 micrograms fluticasone propionate per day or equivalent, 67.3% and 93.3% of patients remained exacerbation-free during treatment with 160 or 640 micrograms of ciclesonide, respectively. At the end of the 12 week study period, the results showed a statistically significant difference between the doess of 160 micrograms and 640 micrograms/day ciclesonide with regard to the occurrence of an exacerbation after the first day of the study. 43 patients/339 (= 12.7%) in the 640 micrograms/day group and 23 patients/341 (6.7%) in the 640 micrograms/day group (Hazard ratio=0.52%) p= 0.0134). Both ciclesonide does resulted in comparable FVV values at 12 weeks. Treatment-ratiated adverse events were seen in 3.8% and 5% of patients treated with 160 or 640 micrograms dray of ciclesonide respectively. No study was performed to compare 160 micrograms, 320 micrograms and 640 micrograms day does in patients with severe asthma.

5.2 Pharmacokinetic properties:

Totrapium bromide Absorption: Following intulation by young healthy volunteers, the absolute bioavailability of 19.5% suggests that the fraction reaching the lung is highly bioavailable. Oral solutions of tiotropium have an absolute bioavailability of 2.3%. Maximum tiotropium plasma concentrations were observed 5-7 minutes after initialation.

4 Intervention and intervention of the second se

Distribution: Tiotropium has a plasma protein binding of 72% and shows a volume of distribution of 32 L/kg. Local concentrations in the lung are not known, but the mode of administration suggests substantially higher concentrations in the lung. Studies in rats have shown that tiotropium bromide does not exentrate the blood-brain barrier for any relevant extant.

Biotransformation: The extent of biotransformation is small: This is evident from a urinary excretion of 74% of unchanged substance after an intravenous dose to young healthy volunteers. The ester tiotropium bromide is nonenzymatically cleaved to the alcohol (M-methylscopine) and addi compound (difficientylycolic) acid) that are inactive on muscarinic receptors. In-vitro experiments with human liver microsomes and human hepatocytes suggest that some further drug (<20% of dose after intravenous administration) is metabolised by cytochrome P450 (CYP) dependent oxidation and subsequent diutation conjugation to a variety of Phase II metabolities.

In vitro studies in liver microsomes reveal that the enzymatic pathway can be inhibited by the CYP 2DG (and 3A4) inhibitors, quindine, teacoassate and gestodene. Thus CYP 2DG and 3A4 are involved in metabolic pathway that is responsible for the elimination of a smaller part of the dose. Totropium bromide even in supra-therapeutic concentrations does not inhibit CYP 1A1, 1A2, 268, 209, 2019, 206, 251 or 3A in human liver

Elimination: The effective half-life of tiotropium ranges between 27-45 h in COPD patients. Total clearance was 880 ml/min after an intravenous dose in young healthy volunteers. Intravenously administered tiotropium is mainly excreted unchanged in urine (74%). After inhalaction by COPD patients to stady-state, urinary excretion is 7% (1.5 µg) of the unchanged frug over 24 hours, the remainder being mainly non-absorbed drug in gut that is eliminated via the faeces. The renal clearance of totropium exceeds the creatinine clearance, indicating secretion into the urine. After chronic once daily inblation the COPD natients. Native state was reached by dx v with mereafter.

Linearity / Nonlinearity: Tiotropium demonstrates linear pharmacokinetics in the therapeutic range independent of the formulation a) Characteristics in Patients

or <u>an automation of management of the sequence of the sequ</u>

Renally Impaired Patients: Following once daily inhaled administrations of tiotropium to steady-state in COPD patients, mild renal impairment (CLCR 50-80 ml/min) resulted in slightly higher AUC0-6.ss (between 1.8-30% higher) and similar G_{max} so values compared to patients with normal renal function(CLCR.8-80 ml/min).

In COPD patients with moderate to severe renal impairment (CLCR <50 ml/min), the intravenous administration of tiotropium resulted in doubling of the total exposure (82% higher AUCO-4h) and 52% higher Cmax) compared to COPD patients with normal renal function, which was confirmed by obsama concentrations after instalation.

A properties of the provided o

Aganese COPD Patients: In cross trial comparison, mean peak flotropium plasma concentrations 10 minutes post dosing at beady-state were 20% to 70% higher in Japanese compared to Caucasian COPD patients following inhalation of tiotropium but there was no signal for higher mortality or cardiac risk in Japanese patients compared to Caucasian patients. Insufficient pharmacokinetic data is available for other ethnicities or nexes.

b) Pharmacokinetic / Pharmacodynamic Relationship(s) There is no direct relationship between pharmacokinetics and pharmacodynamics.

Formoterol fumarate

Absorption and distribution

Elimination

Following inhalation, formolerol is absorbed both from the lung and from the gastrointestinal tract. The fraction of an inhaled dose that is swallowed after administration with a metered dose inhaler (MDI) may range between 60% and 90%. At least 65% of the fraction that is swallowed is absorbed from the gastrointestinal tract. Peak plasma concentrations of unchanged drug occur within to 5 to 1 hour start nor al administration. Plasma protein binding of formoterol is 61-64% with 34% bound to albumin. There was no saturation of binding in the concentration range attained with therapeutic doses. The elimination half-life determined after oral administration is 2-3 hours. Absorption of formoterol is linear following inhalation of 12 to 96 µp of formoterol fumarate.

Termiteriol is widely metabolised and the prominent pathway involves direct conjugation at the phenolic hydroxyl group. Glucuronide acid conjugate is inactive. The second major pathway involves O-demethylation followed by conjugation at the phenolic 2-hydroxyl group. Cytochrome P450 isoenzymes CYP2D6, CYP2C19 and CYP2C9 are involved in the O-demethylation of formoterol. Liver appears to be the primary site of metabolism. Formateriol does not inhibit CYP4C9 enzymes at therapeutically relevant concentrations.

The cumulative urinary excretion of formoterol after single inhabition from inhaler increased linearly in the 12 – 96 µg dose range. On average, 8% and 25% of the dose was excreted as unchanged and total formoterol, respectively. Based on plasma concentrations measured of loliving inhabition of a single 120 µg dose by 12 healthy subjects, the mean terminal elimination half-life was determined to be 10 hours. The (R,P) and (S,S)-enantionners represented about 40% and 60% of unchanged drug excreted in the urine, respectively. The relative proportion of the two

enantiomers remained constant over the dose range studied and there was no evidence of relative accumulation of one enantiomer over the other after repeated dosino.

After oral administration (40 to 80 µg), 6% to 10% of the dose was recovered in urine as unchanged drug in healthy subjects; up to 8% of the dose was recovered as the glucuronide.

A total 67% of an oral dose of formoterol is excreted in urine (mainly as metabolites) and the remainder in the faeces. The renal clearance of formoterol is 150 ml/min.

<u>Automation operations</u> <u>HegaticReal impairment</u>: the pharmacokinetics of formoterol has not been studied in patients with hepatic or renal impairment however, as formoterol is primarily eliminated via hepatic metabolism, an increased exposure can be expected in patients with severe liver cirrhosis. <u>Pelacenete</u>

Ciclesonide is presented in HFA-134a propellant and ethanol as a solution aerosol, which demonstrates a linear relationship between different doses, unif strengths and systemic exposure

Absorption:

Shudies with oral and intravenous dosing of radiolabeled ciclesonide have shown an incomplete extent of oral absorption (24.5%). The oral bioavailability of both ciclesonide and the active metabolite is negligible (<0.5% for ciclesonide, <1% for the metabolite). Based on a γ -scintigraphy experiment, lung deposition in healty subjects is 52%. In finite with this figure, the systemic bioavailability for the active metabolite is -50% by using the ciclesonide end the active metabolite is -50% by using the ciclesonide metered does inhaler. As the oral bioavailability for the active metabolite is <1%, the swallowed portion of the inhaled ciclesonide does not contribute by systemic absorption.

Inflowing intravenous administration to healthy subjects, the initial distribution phase for ciclesonide was rapid and consistent with its high lipophilicity. The volume of distribution averaged 2.9 LKg. The total serum clearance of ciclesonide is high (average 2.0 Lh/kg) indicating a high hepatic extraction. The percentage of ciclesonide bound to human plasma proteins averaged 99%, and that of the active metabolite 98-99%, indication an almost complete bindm of circulation ciclesonide/active metabolite to blasma rorbins.

Metabolisr

Cideonide is primarily hydrolysed to its biologically active metabolite by esterase enzymes in the lung. Investigation of the enzymology of further metabolism by human liver microsomes showed that this compound is mainly metabolized to hydroxylated inactive metabolites by CYP3A4 catalysis. Furthermore, reversible lipophilic fatty acid ester conjugates of the active metabolite were detected in the lung.

Ciclesonide is predominantly excreted via the faeces (67%), after oral and intravenous administration, indicating that excretion via the bile is the maior route of elimination.

Pharmacokinetic characteristics in patients:

Asumatic patients Ciclesonide shows no nharmacokinetic channes in mild asthmatic natients compared to healthy subjects

Elderly

According to population pharmacokinetics, age has no impact on the systemic exposure of the active metabolite Recal or benetic impairment

Reduced liver function may affect the elimination of corticosteroids. In a study including patients with hepatic impairment suffering from liver circhosis a biober suffering exposure to the active metabolite was observed.

Due to the lack of renal excretion of the active metabolite, studies on renal impaired patients have not been performed.

five-fold the therapeutic exposure. Studies on genotoxicity and carcinogenic potential revealed no special bazard for humans.

A somewhat reduced fertility in male rats was observed at very high systemic exposure of formoterol

However, these animal results do not seem to be relevant for humans given recommended doses

Any unused medicinal product or waste material should be disposed of in accordance with local requirements

S 5.3 Preclinical safety data: Tiotropium bromide

Formoterol fumarate

estations of high B.-agonist doses

penotoxicity, or carcinogenic potential.

6 PHARMACEUTICAL PARTICULARS:

6.4 Special precautions for storage

6.5 Nature and contents of container

n of aerosol of 200 MD

re between 15°-25°C. Do not freeze

7. MARKETING AUTHORISATION HOLDER

8. MARKETING AUTHORISATION NUMBER (S)

10 DATE OF REVISION OF THE TEXT-

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

6.6 Instructions for use, handling and disposal

6.1 List of excinients

Propellent HFA 227

Not applicable

February 2015

Cipla

6.3 Shelf life

6.2 Incompatibilities

Many effects observed in conventional studies of safety pharmacology, repeat-dose toxicity, and reproductive toxicity could be explained by the antichinergic properties of totropium bromide. Typically in animals reduced food consumption, inhibited body weight gain, fory mouth and nose, reduced larination and salivation, mydrixissi and increased heart rate were observed. Other relevant effects noted in repeated dose toxicity studies were: mild irritancy of the respiratory tract in rats and mice evinced by thinitis and epithelial changes of the nasal cavity and prostatilis along with prelicanceous deposits and tihasis in the bladder in rats. In juvenile rats exposed from postnatal day 7 to sexual maturity, the same direct and indirect pharmacological changes were observed as in the repeat-dose toxicity studies as well as minits. No systemic toxicity was noted and no toxicolocital revenuent effects no key devolomental and the site of the result effects not be observed. But the site of the site o

parameters, tracheal or key organ development were seen. Harmful effects with respect to preparative, embryonal/Toetal development, parturition or postnatal development could only be demonstrated at

maternally toxic dose levels. Tiotropium bromide was not teratogenic in rats or rabbits. In a general reproduction and fertility study in rats, there was no indication of any adverse effect on fertility or mating performance of either treated parents or their offspring at any dosage.

The respiratory (irritation) and urogenital (prostatitis) changes and reproductive toxicity was observed at local or systemic exposures more than

he effects of formoterol in rats and doos were largely confined to the cardiovascular system and consisted of known pharmacological

No generative effects of formateral have been observed in in-vitro or in-vivo tests. In rats and mice, a slight increase in the incidence of begins uterine

Preclinical data with ciclesonide reveal no special hazard for humans based on conventional studies of safety pharmacolooy, repeated dose toxicity.

In animal studies on reproductive toxicity, gluco corticosteroids have been shown to induce malformations (cleft palate, skeletal malformations).

A treatment-related effect on the ovaries (namely atrophy) was observed at the top dose in two 12-month studies in doos. This effect occurred at

Animal studies with other glucocorticoids indicate that administration of pharmacological doses of glucocorticoids during pregnancy may increase the risk for intrauterine growth retardation, adult cardiovascular and/or metabolic disease and/or permanent changes in glucocorticoid receptor

Jensity, neurotransmitter turnover and behaviour. The relevance of these data to humans administered ciclesonide by inhalation is unknown

mic exposures 5.27-8.34 times those noted at the 160 µg daily dose. The relevance of this finding to humans is unknown

mas has been observed. This effect is looked upon as a class effect in rodents after long exposure to high doses of β_r -agonists.

BEFORE USING YOUR TRIOHALE-T INHALER

clean

for use.

one puff into the air.

of the canister.

breathe in slowly & deeply

normally

position

air

FOR THE FIRST TIME A. Remove the cap from the mouthpiece & make sure that the mouthpiece is

B. Hold the inhaler away from your face. Shake it well & release two puffs into the



C. Your TRIOHALE-T inhaler is now ready

IF you have not used your inhaler for a week or more, shake well and release

TRIOHALE-T INHALER

USING YOUR

1. Sit or stand upright. Remove the mouthpiece cap & shake the inhaler well. Hold it upright as shown, with your thumb at the base below the mouthpiece. Place either one or two fingers on top



2. Breathe out fully, through your mouth.



3. Place the mouthpiece of the inhaler in your mouth between your teeth & close your lips around it (do not bite it). Start breathing in slowly through your mouth. Press down the canister firmly & fully to release one spray while continuing to



4. Remove the inhaler from your mouth & hold your breath for 10 seconds, or for as long as is comfortable. Breathe out



5. If another puff is required, wait for at least 1 minute. Shake inhaler well & repeat steps 2 to 4. After use, replace the mouthpiece cap firmly & snap it into



 After taking each dose, rinse your mouth with water & spit it out.

IMPORTANT:

Do not rush steps 2, 3 & 4. It is important that you start to breathe in slowly before releasing a puff.

To ensure correct use of the inhaler, use it in front of a mirror for the first few times. If you see 'mist' coming out from the top of the inhaler or the sides of your mouth, start again from step 1. This escaping mist indicates incorrect technique.



In case of difficulty in using the inhaler correctly, you may use it along with a Zerostat-VT spacer.



CLEANING YOUR TRIOHALE-T INHALER

It is important to keep your inhaler clean. Clean your inhaler atleast once a week.

1. Take the mouthpiece cap off. DO NOT take the metal canister out of the actuator.

2. Wipe the inside & the outside of the mouthpiece with a clean, dry cloth.



Replace the mouthpiece cap.
 DO NOT wash or soak any part of the inhaler in water.

STORING YOUR TRIOHALE-T INHALER

Store between 15-25°C. Do not freeze. Keep the inhaler in an upright position, with the mouthpiece down.

DO NOT

Spray the inhaler in your eyes.
Exceed the recommended dose.

 Change/tamper with the numbers on the dose indicator.
 Puncture or burn the inhaler even when empty as it is pressurized.

Keep the inhaler out of the reach of children.

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