# **INCRUSE ELLIPTA**

# Umeclidinium

# QUALITATIVE AND QUANTITATIVE COMPOSITION

A plastic Ellipta inhaler consists of a grey body, a light green mouthpiece cover and a dose counter, packed into a foil laminate tray containing a desiccant packet. The tray is sealed with a peelable foil lid.

#### INCRUSE ELLIPTA 62.5 micrograms:

Each delivered dose (the dose leaving the mouthpiece of the inhaler) contains 55 micrograms umeclidinium (equivalent to 65 micrograms of umeclidinium bromide). This corresponds to a pre-dispensed dose of 62.5 micrograms of umeclidinium (equivalent to 74.2 micrograms umeclidinium bromide).

# **CLINICAL INFORMATION**

# Indications

*INCRUSE ELLIPTA* is indicated for maintenance bronchodilator treatment to relieve symptoms associated with chronic obstructive pulmonary disease (COPD).

# **Dosage and Administration**

Pharmaceutical form: Inhalation powder, pre-dispensed.

INCRUSE ELLIPTA is for oral inhalation only.

*INCRUSE ELLIPTA* should be administered once daily at the same time of the day each day.

#### Adults

The recommended dose is one inhalation of INCRUSE ELLIPTA once daily.

#### Children

Use in patients less than 18 years of age is not relevant given the indication for this product.

#### Elderly

No dosage adjustment is required in patients over 65 years (see *Pharmacokinetics – Special Patient Populations*).

#### **Renal impairment**

No dosage adjustment is required in patients with renal impairment (see *Pharmacokinetics — Special Patient Populations*).

#### Hepatic impairment

No dosage adjustment is required in patients with mild or moderate hepatic impairment. *INCRUSE ELLIPTA* has not been studied in patients with severe hepatic impairment (see *Pharmacokinetics — Special Patient Populations*).

#### Contraindications

*INCRUSE ELLIPTA* is contraindicated in patients with severe milk-protein allergy. Hypersensitivity to the active substance(s) or to any of the excipients (see *List of Excipients*).

#### Warnings and Precautions

*INCRUSE ELLIPTA* should not be used in patients with asthma since it has not been studied in this patient population.

#### Exacerbations

*INCRUSE ELLIPTA* is intended for the maintenance treatment of 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. Acute symptoms should be treated with an inhaled short-acting bronchodilator. Increasing use of short-acting bronchodilators to relieve symptoms indicates deterioration of control and patients should be reviewed by a physician.

#### Paradoxical bronchospasm

As with other inhalation therapies, administration of *INCRUSE ELLIPTA* may produce paradoxical bronchospasm that may be life threatening. Treatment with *INCRUSE ELLIPTA* should be discontinued if paradoxical bronchospasm occurs and alternative therapy instituted if necessary.

#### Cardiovascular effects

Cardiovascular effects, such as cardiac arrhythmias e.g. atrial fibrillation and tachycardia, may be seen after the administration of muscarinic receptor antagonists, including *INCRUSE ELLIPTA*. Therefore, *INCRUSE ELLIPTA* should be used with caution in patients with severe cardiovascular disorders, especially cardiac arrhythmias.

#### Antimuscarinic activity

Consistent with its antimuscarinic activity, *INCRUSE ELLIPTA* should be used with caution in patients with narrow-angle glaucoma or urinary retention.

# Interactions

Available clinical data has revealed no clinically relevant drug interactions (see *Clinical Pharmacology*).

There is potential for an additive interaction with concomitantly used antimuscarinic medicines. Therefore, avoid co-administration of *INCRUSE ELLIPTA* with other antimuscarinic-containing drugs as this may lead to an increase in antimuscarinic adverse effects.

Umeclidinium is a substrate of P-glycoprotein transporter (P-gp) and CYP2D6. The effect of the P-gp transporter inhibitor verapamil (240 milligrams once daily) on the steady-state pharmacokinetics of umeclidinium was assessed in healthy volunteers. No effect of verapamil was observed on umeclidinium  $C_{max}$ . An approximately 1.4-fold increase in umeclidinium AUC was observed. Based on the magnitude of these changes, no clinically relevant interaction is expected when umeclidinium bromide is co-administered with P-gp inhibitors.

The effect of lack of CYP2D6 poor metaboliser genotype on the steady-state pharmacokinetics of umeclidinium was assessed in healthy volunteers (CYP2D6 normal metabolisers and CYP2D6 poor metabolisers). No clinically meaningful difference in systemic exposure to umeclidinium (500 micrograms) was observed following repeat daily inhaled dosing to normal and CYP2D6 poor metaboliser subjects.

# **Pregnancy and Lactation**

#### Fertility

There are no data on the effects of *INCRUSE ELLIPTA* on human fertility. Animal studies indicate no effects of *INCRUSE ELLIPTA* on fertility (see *Non-clinical information*).

#### Pregnancy

There is a limited amount of data from the use of *INCRUSE ELLIPTA* in pregnant women. Animal studies do not indicate direct or indirect harmful effects with respect to reproductive toxicity (see *Non-clinical Information*).

*INCRUSE ELLIPTA* should be used during pregnancy only if the expected benefit to the mother justifies the potential risk to the foetus.

#### Lactation

It is unknown whether uneclidinium is excreted in human milk. A risk to breastfed newborns/infants cannot be excluded.

A decision must be made whether to discontinue breastfeeding or to discontinue *INCRUSE ELLIPTA* therapy taking into account the benefit of breastfeeding for the child and the benefit of therapy for the woman.

# Effects on Ability to Drive and Use Machines

There have been no studies to investigate the effect of *INCRUSE ELLIPTA* on the ability to perform tasks that require judgement, motor or cognitive skills. A detrimental effect on such activities would not be anticipated from the pharmacology of uneclidinium.

# **Adverse Reactions**

# **Clinical trial data**

The safety profile of umeclidinium was evaluated from approximately 1700 patients with COPD who received doses of 62.5 micrograms or greater for up to one year. This includes approximately 600 patients who received the recommended dose of 62.5 micrograms once daily.

The adverse reactions identified from the four efficacy studies and the long-term safety study (which involved approximately 1400 patients who received uneclidinium) are presented in the table below.

Adverse drug reactions (ADRs) are listed below by MedDRA system organ class and by frequency. Frequencies are defined as:

Very common  $\geq 1/10$ Common  $\geq 1/100$  and < 1/10Uncommon  $\geq 1/1,000$  and < 1/100Rare  $\geq 1/10,000$  and < 1/1,000Very rare < 1/10,000

System Organ Class	Adverse reactions	Frequency
Infections and infestations	Nasopharyngitis	Common
	Upper respiratory tract infection	Common
	Urinary tract infection	Common
	Sinusitis	Common
	Pharyngitis	Uncommon
Cardiac disorders	Atrial fibrillation	Uncommon
	Rhythm idioventricular	Uncommon
	Supraventricular tachycardia	Uncommon
	Supraventricular extrasystoles	Uncommon
	Tachycardia	Common

Respiratory, thoracic and mediastinal disorders	Cough	Common
Gastrointestinal disorders	Constipation	Uncommon
	Dry mouth	Uncommon

#### Post-marketing data

System organ class	Adverse reaction(s)	Frequency
Immune system disorders	Hypersensitivity reactions including:	
	Rash, urticaria and pruritus	Uncommon
	Anaphylaxis, angioedema	Rare
Nervous system disorder	Dysgeusia	Common
Eye disorders	Vision blurred	Rare
	Eye pain	Rare
	Glaucoma	Rare
Respiratory, thoracic and mediastinal disorders	Dysphonia	Rare
	Oropharyngeal pain	Rare
Renal and urinary disorders	Urinary retention	Rare
	Dysuria	Rare

# Overdose

No data from clinical studies are available regarding overdose with INCRUSE ELLIPTA.

#### Symptoms and signs

An overdose of *INCRUSE ELLIPTA* will likely produce signs and symptoms consistent with the known inhaled muscarinic antagonist adverse effects (e.g. dry mouth, visual accommodation disturbances and tachycardia).

# Treatment

If overdose occurs, the patient should be treated supportively with appropriate monitoring as necessary.

Further management should be as clinically indicated or as recommended by the national poisons centre, where available.

# PHARMACOLOGICAL PROPERTIES

# **Pharmacodynamics**

#### Mechanism of action

Umeclidinium is a long-acting muscarinic receptor antagonist (also referred to as an anticholinergic). It is a quinuclidine derivative that is a muscarinic receptor antagonist with activity across multiple muscarinic cholinergic receptor subtypes. Umeclidinium exerts its bronchodilatory activity by competitively inhibiting the binding of acetylcholine with muscarinic cholinergic receptors on airway smooth muscle. It demonstrates slow reversibility at the human M3 muscarinic receptor subtype *in vitro* and a long duration of action *in vivo* when administered directly to the lungs in pre-clinical models.

#### Pharmacodynamic effects

In a 24-week, placebo-controlled clinical efficacy study *INCRUSE ELLIPTA* increased forced expiratory volume in one second (FEV<sub>1</sub>) after the first dose on Day 1 with an improvement of 0.10 litres at 30 minutes compared with placebo ( $p<0.001^*$ ). The increase from baseline to peak FEV<sub>1</sub> over the first 6 hours post-dose at Day 1 was 0.23 litres with *INCRUSE ELLIPTA* compared with 0.11 litres for placebo. The increase from baseline to peak FEV<sub>1</sub> over the first 6 hours post-dose at Week 24 was 0.23 litres with *INCRUSE ELLIPTA* compared with 0.10 litres for placebo.

\*A step-down statistical testing procedure was used in this study and this comparison was below a comparison that did not achieve statistical significance. Therefore, statistical significance on this comparison cannot be inferred.

#### Cardiovascular effects

The effect of umeclidinium 500 micrograms on the QT interval was evaluated in a placebo- and moxifloxacin-controlled QT trial of 103 healthy volunteers. Following repeat doses of umeclidinium 500 micrograms once daily for 10 days, no clinically relevant effect on prolongation of QT interval (corrected using the Fridericia method) was observed.

#### **Pharmacokinetics**

#### Absorption

Following inhaled administration of umeclidinium in healthy volunteers, C<sub>max</sub> occurred at 5 to 15 minutes. The absolute bioavailability of inhaled umeclidinium was on average 13% of the dose, with negligible contribution from oral absorption. Following repeat dosing of inhaled umeclidinium, steady state was achieved within 7 to 10 days with 1.5 to 2-fold accumulation. Umeclidinium systemic exposure following inhaled administration was dose-proportional between 62.5 mcg and 125 mcg.

#### Distribution

Following intravenous administration to healthy subjects, the mean volume of distribution was 86 litres. *In vitro* plasma protein binding in human plasma was on average 89%.

#### Metabolism

*In vitro* studies showed that umeclidinium is principally metabolised by the enzyme P450 CYP2D6 and is a substrate for the P-glycoprotein (P-gp) transporter. The primary metabolic routes for umeclidinium are oxidative (hydroxylation, O-dealkylation) followed by conjugation (glucuronidation, etc), resulting in a range of metabolites with either reduced pharmacological activity or for which the pharmacological activity has not been established. Systemic exposure to the metabolites is low.

#### Elimination

Plasma clearance following intravenous administration was 151 litres/hour. Following intravenous administration, approximately 58% of the administered radiolabelled dose (or 73% of the recovered radioactivity) was excreted in faeces by 192 hours post-dose. Urinary elimination accounted for 22% of the administered radiolabelled dose by 168 hours (27% of recovered radioactivity). The excretion of the drug-related material in the faeces following intravenous dosing indicated secretion into the bile. Following oral administration to healthy male subjects, total radioactivity was excreted primarily in faeces (92% of the administered radiolabelled dose or 99% of the recovered radioactivity) by 168 hours post-dose. Less than 1% of the orally administered dose (1% of recovered radioactivity) was excreted in urine, suggesting negligible absorption following oral administration. Umeclidinium plasma half-life following inhaled dosing for 10 days averaged 19 hours, with 3% to 4% drug excreted unchanged in urine at steady-state.

#### **Special patient populations**

#### Elderly

A population pharmacokinetic analysis showed that pharmacokinetics of umeclidinium are similar between COPD patients 65 years and older and those younger than 65 years of age.

#### **Renal impairment**

Subjects with severe renal impairment (creatinine clearance < 30 millilitres/min) showed no evidence of an increase in systemic exposure to uneclidinium (C<sub>max</sub> and AUC), and no evidence of altered protein binding between subjects with severe renal impairment and healthy volunteers.

#### Hepatic impairment

Subjects with moderate hepatic impairment (Child-Pugh Class B) showed no evidence of an increase in systemic exposure to uneclidinium ( $C_{max}$  and AUC), and no evidence of altered protein binding between subjects with moderate hepatic impairment and healthy volunteers. Uneclidinium has not been evaluated in subjects with severe hepatic impairment.

# Other patient characteristics

A population pharmacokinetic analysis showed that no dose adjustment is required for umeclidinium based on the effect of age, race, gender, inhaled corticosteroid use or weight. A study in CYP2D6 poor metabolisers showed no evidence of a clinically significant effect of CYP2D6 genetic polymorphism on systemic exposure to umeclidinium.

# **Clinical Studies**

The clinical efficacy of *INCRUSE ELLIPTA* administered once daily was evaluated in 904 adult patients who received umeclidinium bromide or placebo from two pivotal Phase III clinical studies with a clinical diagnosis of COPD; a 12-week study (AC4115408) and a 24-week study (DB2113373).

Pivotal Efficacy Studies:

# Effects on lung function

In both of the pivotal 12-week and 24-week studies, *INCRUSE ELLIPTA* demonstrated statistically significant and clinically meaningful improvements in lung function (as defined by change from baseline trough  $FEV_1$  at Week 12 and Week 24 respectively, which was the primary efficacy endpoint in each study) compared with placebo (see *Table 1*). The bronchodilatory effects with *INCRUSE ELLIPTA* compared with placebo were evident after the first day of treatment in both studies and were maintained over the 12-week and 24-week treatment periods.

There was no attenuation of the bronchodilator effect over time.

# Table 1: Trough FEV1 (ml) at Week 12 and Week 24 (primary endpoint)

Treatment with	12-Week Study	24-Week Study
INCRUSE ELLIPTA	Treatment difference <sup>1</sup>	Treatment difference <sup>1</sup>
55 mcg	95% Confidence interval	95% Confidence interval
Versus Placebo	127 (52, 202) <0.001	115 (76, 155) <0.001

mcg = micrograms

<sup>1</sup>least squares mean (95% confidence interval)

*INCRUSE ELLIPTA* demonstrated a statistically significant greater improvement from baseline in weighted mean  $FEV_1$  over 0-6 hours post-dose at Week 12 compared with

placebo (166 ml, p<0.001) in the 12-week pivotal study. *INCRUSE ELLIPTA* demonstrated a greater improvement from baseline in weighted mean FEV<sub>1</sub> over 0-6 hours post-dose at Week 24 compared with placebo (150 ml, p<0.001\*) in the 24-week pivotal study.

\*A step-down statistical testing procedure was used in this study and this comparison was below a comparison that did not achieve statistical significance. Therefore, statistical significance on this comparison cannot be inferred.

#### Symptomatic outcomes

#### Breathlessness:

In the 12-week study, a statistically significant improvement compared with placebo in the TDI focal score at Week 12 was not demonstrated for *INCRUSE ELLIPTA* (1.0 units, p=0.05). A statistically significant improvement compared with placebo in the TDI focal score at Week 24 was demonstrated for *INCRUSE ELLIPTA* (1.0 units, p<0.001) in the 24-week study.

The proportion of patients who responded with at least the minimum clinically important difference (MCID) of 1 unit TDI focal score at Week 12 was greater for *INCRUSE ELLIPTA* (38%) compared with placebo (15%) in the 12-week study. Similarly, a greater proportion of patients achieved  $\geq$ 1 unit TDI focal score for *INCRUSE ELLIPTA* (53%) compared with placebo (41%) at Week 24 in the 24-week study.

#### Health-related quality of life:

*INCRUSE ELLIPTA* also demonstrated a statistically significant improvement in healthrelated quality of life measured using the St. George's Respiratory Questionnaire (SGRQ) as indicated by a reduction in SGRQ total score at Week 12 compared with placebo (-7.90 units, p<0.001) in the 12-week study. A greater improvement compared with placebo in the change from baseline in SGRQ total score at Week 24 was demonstrated for *INCRUSE ELLIPTA* (-4.69 units, p<0.001\*) in the 24-week study.

The proportion of patients who responded with at least the MCID in SGRQ score (defined as a decrease of 4 units from baseline) at Week 12 was greater for *INCRUSE ELLIPTA* 55 micrograms (44%) compared with placebo (26%) in the 12-week study. Similarly, a greater proportion of patients achieved at least the MCID for *INCRUSE ELLIPTA* at Week 24 (44%) compared with placebo (34%) in the 24-week study.

#### COPD exacerbations

In the 24-week study, *INCRUSE ELLIPTA* reduced the risk of a moderate/severe COPD exacerbation by 40% compared with placebo (analysis of time to first exacerbation; Hazard Ratio 0.6; 95% CI: 0.4, 1.0,  $p=0.035^*$ ) where the majority of patients reported no COPD exacerbations requiring oral/systemic corticosteroids and/or antibiotics (72%) and no COPD exacerbations requiring hospitalization (89%) in the 12 months prior to screening. The probability of having an exacerbation in patients receiving *INCRUSE ELLIPTA* at week 24 was 8.9% compared with 13.7% for placebo. These studies were

not specifically designed to evaluate the effect of treatments on COPD exacerbations and patients were withdrawn from the study if an exacerbation occurred.

\*A step-down statistical testing procedure was used in this study and this comparison was below a comparison that did not achieve statistical significance. Therefore, statistical significance on this comparison cannot be inferred.

#### Use of rescue medicinal product

In the 12-week study, *INCRUSE ELLIPTA* statistically significantly reduced the use of rescue medication with salbutamol compared with placebo (on average a reduction of 0.7 puffs per day over Weeks 1-12, p=0.025) and demonstrated a higher percentage of days when no rescue medication was needed (on average 46.3%) compared with placebo (on average 35.2%; no formal statistical analysis was performed on this endpoint). In the 24-week study treatment with *INCRUSE ELLIPTA*, the mean (SD) change from baseline in the number of puffs of rescue salbutamol over the 24-week treatment period was -1.4 (0.20) for placebo and -1.7 (0.16) for *INCRUSE ELLIPTA* (Difference = -0.3; 95% CI: -0.8, 0.2, p=0.276). Patients receiving *INCRUSE ELLIPTA* had a higher percentage of days when no rescue medication was needed (on average 31.1%) compared with placebo (on average 21.7%). No formal statistical testing was performed on this endpoint.

#### Supporting efficacy studies

In a randomised, double-blind, 52-week study (CTT116855, IMPACT) of 10,355 adult patients with symptomatic COPD and a history of 1 or more moderate or severe exacerbations within the prior 12 months, treatment with *INCRUSE ELLIPTA* as a component of fluticasone furoate/umeclidinium/vilanterol (FF/UMEC/VI 99/55/22 micrograms) once daily compared with fluticasone furoate/vilanterol (FF/VI 99/22 micrograms) once daily, resulted in a statistically significant 15% reduction in the annual rate of on-treatment moderate/severe exacerbations (primary endpoint) (Rate Ratio: 0.85; 95% CI: 0.80, 0.90; p<0.001).

Treatment with *INCRUSE ELLIPTA* as a component of FF/UMEC/VI compared with FF/VI resulted in a statistically significant 14.8% reduction in risk of a moderate/severe exacerbation (based on analysis of time to first exacerbation) (Hazard Ratio 0.85; 95% CI: 0.80, 0.91; p<0.001).

At Week 52, a statistically significant improvement in the least-squares (LS) mean change from baseline in trough FEV1 was observed for FF/UMEC/VI compared with FF/VI (mean change: +94 mL vs. -3 mL; treatment difference: 97 mL; 95% CI: 85, 109; p<0.001).

# Additional supporting efficacy studies conducted with INCRUSE ELLIPTA in combination with RELVAR (fluticasone furoate/vilanterol) 100/25 micrograms in adult patients with a clinical diagnosis of COPD

In two 12-week, placebo-controlled studies (200109 and 200110), the addition of *INCRUSE ELLIPTA* to *RELVAR* (100/25 micrograms) once daily, resulted in statistically significant and clinically meaningful improvements in the primary endpoint of trough

FEV<sub>1</sub> at Day 85 compared to placebo plus *RELVAR* (124 mL; 95% CI 93, 154, p<0.001 and 122 mL; 95% CI 91, 152, p<0.001).

No new adverse drug reactions were identified with the addition of *INCRUSE ELLIPTA* to *RELVAR* in these studies.

# **Non-Clinical Information**

In non-clinical studies with umeclidinium, findings were those typically associated with the primary pharmacology of muscarinic receptor antagonists and/or local irritancy.

# Carcinogenesis/mutagenesis

Umeclidinium was not genotoxic in a standard battery of studies and was not carcinogenic in lifetime inhalation studies in mice or rats at exposures  $\geq 26$  or  $\geq 22$ -fold times the human clinical exposure of umeclidinium, based on AUC, respectively.

# **Reproductive Toxicology**

Umeclidinium had no adverse effects on male or female fertility in rats.

Umeclidinium was not teratogenic in rats or rabbits. In a pre- and post-natal study, subcutaneous administration of umeclidinium to rats resulted in lower maternal body weight gain and food consumption and slightly decreased pre-weaning pup body weights in dams given 180 micrograms/kg/day dose (approximately 80-times the human clinical exposure of umeclidinium, based on AUC).

# PHARMACEUTICAL INFORMATION

# List of Excipients

Lactose monohydrate (which contains milk protein, see *Contraindications*) (12.5 milligrams lactose monohydrate per blister) Magnesium stearate

# Shelf Life

The expiry date is indicated on the packaging.

#### In-use shelf-life:

Following removal from the tray, the product may be stored for a maximum period of 6 weeks.

Write the date the inhaler should be discarded on the label in the space provided. The date should be added as soon as the inhaler has been removed from the tray.

# Storage

The storage conditions are detailed on the packaging.

Do not store above 30°C. If stored in the refrigerator, allow the inhaler to return to room temperature for at least an hour before use.

# Nature and Contents of Container

The plastic Ellipta inhaler consists of a grey body, a light green mouthpiece cover and a dose counter, packed into a foil laminate tray containing a desiccant sachet. The tray is sealed with a peelable foil lid.

The inhaler contains one strip of either 7 or 30 regularly distributed blisters, each containing a white powder.

# Incompatibilities

No incompatibilities have been identified.

# **Use and Handling**

When you first use the Ellipta inhaler you do not need to check that it is working properly, and you do not need to prepare it for use in any special way. Just follow the instructions below.

#### Your Ellipta inhaler carton contains



The inhaler is packaged in a tray. **Do not open the tray until you are ready to inhale a dose of your medicine.** When you are ready to use your inhaler, peel back the lid to open the tray. The tray contains a desiccant sachet, to reduce moisture. Throw this desiccant sachet away — **don't** open, eat or inhale it.



When you take the inhaler out of the sealed tray, it will be in the 'closed' position. **Don't open the inhaler until you are ready to inhale a dose of medicine.** Write the "Discard by" date on the inhaler label in the space provided. The "Discard by" date is 6 weeks from the date you open the tray. After this date, the inhaler should no longer be used.

The step-by-step instructions shown below for the 30-dose (30 day supply) Ellipta inhaler also apply to the 7-dose (7 day supply) Ellipta inhaler.

#### a) Read this before you start

#### If you open and close the cover without inhaling the medicine, you will lose the dose.

The lost dose will be securely held inside the inhaler, but it will no longer be available.

It is not possible to accidentally take extra medicine or a double dose in one inhalation.



b) Prepare a dose

Wait to open the cover until you are ready to take your dose.

Do not shake the inhaler.

Slide the cover fully down until you hear a "click".



Your medicine is now ready to be inhaled.

The dose counter counts down by 1 to confirm.

• If the dose counter does not count down as you hear the "click", the inhaler will not deliver medicine. Take it back to your pharmacist for advice.

- Do not shake the inhaler at any time.
- c) Inhale your medication
  - While holding the inhaler away from your mouth, breathe out as far as is comfortable.

**Don't** breathe out into the inhaler.

Put the mouthpiece between your lips, and close your lips firmly around it. **Don't** block the air vent with your fingers.



- Take one long, steady, deep breath in. Hold this breath for as long as possible (at least 3-4 seconds).
- Remove the inhaler from your mouth.
- Breathe out slowly and gently.

# You may not be able to taste or feel the medicine, even when you are using the inhaler correctly.

If you want to clean the mouthpiece, use a dry tissue, before you close the cover.

d) Close the inhaler



• Slide the cover upwards as far as it will go, to cover the mouthpiece.

Not all presentations are available in every country.

**Product Registrant:** GlaxoSmithKline Pte Ltd. 23 Rochester Park, Singapore 139234

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