

## SUMMARY OF PRODUCT CHARACTERISTICS

### 1. NAME OF THE MEDICINAL PRODUCT

Duspatal 135 mg, coated tablets

### 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

One coated tablet contains 135 mg mebeverine hydrochloride.  
Each Duspatal 135 mg tablet contains 79 mg sucrose and 97 mg lactose monohydrate.  
Excipients with a known effect: lactose monohydrate and sucrose.

For a full list of excipients, see section 6.1.

### 3. PHARMACEUTICAL FORM

Round, white sugar-coated tablet

### 4. CLINICAL PARTICULARS

#### 4.1 Therapeutic indications

*Adults and children over the age of 10 years*

Symptomatic treatment of irritable bowel syndrome.

#### 4.2 Posology and method of administration

For oral use.

The coated tablets must be taken with a sufficient quantity of water (at least 100 ml). They must not be chewed because of the unpleasant taste.

*Adults and children over the age of 10 years*

Three times daily 1 tablet of 135 mg, to be taken approximately 20 minutes before a meal.

There are no safety risks for a duration of use up to 1 year. However, when the desired effect has been achieved after a few weeks, the dose may be reduced gradually.

If one or more doses have not been taken, the patient must continue with the next dose as prescribed; the missed dose should not be taken on top of the usual dose.

*Paediatric population*

Duspatal 135 mg should not be used in children below the age of 10 years because the safety and efficacy have not been established in this target group.

*Elderly patients and patients with kidney and/or liver disorders*

No dose studies have been performed in elderly patients and patients with kidney and/or liver disorders.

#### 4.3 Contraindications

Hypersensitivity to mebeverine or one of the excipients (see section 6.1).

#### 4.4 Special warnings and precautions for use

Because Duspatal 135 mg coated tablets contain lactose, patients with rare hereditary disorders, such as galactose intolerance, Lapp lactase deficiency or glucose-galactose malabsorption, should not use

this medicinal product.

Because Duspatal 135 mg coated tablets contain sucrose, patients with rare hereditary disorders, such as fructose intolerance, glucose-galactose malabsorption or sucrase-isomaltase insufficiency, should not use this medicinal product.

#### **4.5 Interactions with other medicinal products and other forms of interactions**

As far as known, mebeverine has no interactions with other medicinal products.

#### **4.6 Fertility, pregnancy and lactation**

##### *Pregnancy*

There are no or limited amount of data from the use of mebeverine in pregnant women. Animal studies are insufficient with respect to reproductive toxicity (see section 5.3). The use of Duspatal 135 mg is not recommended during pregnancy.

##### *Lactation*

It is unknown whether mebeverine or one of its metabolites is excreted in human milk. Excretion of mebeverine in breast milk has not been investigated in animals. Duspatal 135 mg should not be used during breast-feeding.

##### *Fertility*

No clinical data are available on the fertility in men or women; however, animal studies do not indicate damaging effects from Duspatal 135 mg (see section 5.3).

#### **4.7 Effects on ability to drive and use machines**

No studies have been carried out into the effect on the ability to drive and use machines. Neither the pharmacodynamic and pharmacokinetic profiles, nor the post-marketing experience indicate an adverse effect of mebeverine on the ability to drive and use machines.

#### **4.8 Undesirable effects**

The following undesirable effects have been reported spontaneously during post-marketing use. No exact frequency can be determined from the available data.

The observed allergic reactions are mainly, but not exclusively, limited to the skin.

##### *Skin and subcutaneous tissue disorders*

Urticaria, angioedema, facial oedema, exanthem

##### *Immune system disorders*

Hypersensitivity (anaphylactic reactions)

##### Report of suspected undesirable effects

It is important to report suspected undesirable effects after approval of the medicinal product. In this way the relationship between benefits and risks of the medicinal product can be constantly monitored. Health professionals are asked to report all suspected undesirable effects via the Netherlands Pharmacovigilance Centre Lareb, website: [www.lareb.nl](http://www.lareb.nl).

#### **4.9 Overdose**

##### *Symptoms*

Very little is reported in the literature about symptoms after mebeverine overdose. In cases of mebeverine overdose, the symptoms were either absent or mild and usually quickly reversible. Observed overdose symptoms are of a neurological nature.

### *Treatment*

There is no known specific antidote; symptomatic treatment is recommended. Measures to decrease absorption are not necessary.

## **5. PHARMACOLOGICAL PROPERTIES**

### **5.1 Pharmacodynamic properties**

Pharmacotherapeutic group: synthetic anticholinergics, esters with tertiary amino group. ATC code: A03AA04.

#### *Mechanism of action and pharmacodynamic effects*

Mebeverine is a musculotropic spasmolytic agent with a direct effect on the smooth muscles of the gastrointestinal tract without affecting the normal intestinal motility. Because this effect is not brought about via the autonomous nervous system, the typical anticholinergic adverse effects do not occur.

### **5.2 Pharmacokinetic properties**

#### *Absorption*

Mebeverine is quickly and fully absorbed after oral administration of tablets.

#### *Distribution*

No significant accumulation occurs after multidosage use.

#### *Biotransformation*

Mebeverine hydrochloride is mainly metabolised by esterases, which first split ester compounds into veratric acid and mebeverine alcohol. The main metabolite in plasma is DMAC (demethylated carboxylic acid). The steady state elimination half-life of DMAC is 2.45 hours. With multidosage use, the  $C_{max}$  of DMAC is 1670 ng/ml and the  $t_{max}$  is 1 hour for the coated tablets with 135 mg.

#### *Elimination*

Mebeverine is not excreted as such but excreted fully metabolised; the metabolites are excreted almost completely. Veratric acid is excreted in the urine; mebeverine alcohol is also excreted in the urine, partly as the corresponding carboxylic acid (MAC) and partly as the demethylated carboxylic acid (DMAC).

#### *Paediatric patients*

No clinical investigations in children have taken place with any form of mebeverine.

### **5.3 Preclinical safety data**

Effects in repeat-dose studies after oral and parenteral doses were indicative of central nervous involvement with behavioral excitation, mainly tremor and convulsions. In the dog, the most sensitive species, these effects were seen at oral doses equivalent to 3 times the maximum recommended clinical dose of 400mg/day based on body surface area (mg/m<sup>2</sup>) comparisons.

The reproductive toxicity of mebeverine was not sufficiently investigated in animal studies. There was no indication of teratogenic potential in rats and rabbits. However, embryotoxic effects (reduction in litter size, increased incidence of resorption) were noticed in rats at doses equivalent to twice the maximum daily clinical dose. This effect was not observed in rabbits.

No effects on male or female fertility were noted in rats at doses equivalent to the maximum clinical dose.

In conventional *in vitro* and *in vivo* genotoxicity tests mebeverine was devoid of genotoxic effects. No carcinogenicity studies have been performed.

## **6. PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Tablet core: lactose monohydrate, starch, povidone, talc and magnesium stearate.

Tablet coating: talc, sucrose, gelatin, acacia and carnauba wax.

### **6.2 Incompatibilities**

Not applicable.

### **6.3 Shelf life**

5 years.

### **6.4 Special precautions for storage**

Store below 30°C.

Store in the original packaging.

### **6.5 Nature and contents of container**

Blister strips of 20 tablets, three strips per pack. The blister strips are made of PVC/PVDC-aluminium foil or of PVC-aluminium foil.

### **6.6 Special precautions for disposal and other handling**

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

## **7. MARKETING AUTHORISATION HOLDER**

Abbott B.V.  
Wegalaan 9  
2132 JD Hoofddorp  
The Netherlands

## **8. MARKETING AUTHORISATION NUMBER**

RVG 07904

## **9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

Date of first authorisation: 10 May 1979.

## **10. DATE OF REVISION OF THE TEXT**

Last complete revision: 31 October 2012.

Last partial revision, concerning sections 2, 5.1 and 5.3: 8 June 2015.