

## SCHEDULING STATUS

S2

### 1. NAME OF THE MEDICINE

BLADURIL 200 mg, film-coated tablets

### 2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Each film-coated tablet contains 200 mg flavoxate hydrochloride.

Excipient with known effect:

- Contains sugar (lactose monohydrate): 64 mg

For full list of excipients, see section 6.1.

### 3. PHARMACEUTICAL FORM

Film-coated tablets.

White, homogeneous film-coated tablets with "F200" embossed.

### 4. CLINICAL PARTICULARS

#### 4.1 Therapeutic indications

BLADURIL is indicated for its antispasmodic action in urological disorders.

#### 4.2 Posology and method of administration

##### Posology

Adults - Take one tablet three times a day (600 mg flavoxate hydrochloride) for as long as required.

##### *Paediatric population*

The safety and efficacy of BLADURIL in children aged < 12 years have not been established (see section 4.3).

##### Method of administration

BLADURIL is for oral use.

#### 4.3 Contraindications

- Hypersensitivity to flavoxate hydrochloride or to any of the excipients of BLADURIL (see section 6.1).

- Pyloric or duodenal obstruction, obstructive intestinal lesions or ileus, achalasia, gastrointestinal haemorrhage and obstructive uropathies of the lower urinary tract.
- Safety in pregnancy and lactation has not been established (see section 4.6).
- BLADURIL is not recommended for use in children under 12 years of age.
- Urinary retention.
- Glaucoma.
- Myasthenia gravis.

#### **4.4 Special warnings and precautions for use**

- Since the renal clearance of the active metabolite accounts more than 50 % of the dose, renal impairment may significantly affect the product kinetics. Caution is therefore required in patients with renal impairment.
- BLADURIL should be used with caution in patients with suspected glaucoma, especially narrow angle glaucoma and in patients with serious, uncontrolled, obstructive disorders of the lower urinary tract.
- In the case of drowsiness, the time between the administration of the doses should be extended. See section 4.7 for effects on ability to drive and use machines.

#### ***Lactose***

BLADURIL contains lactose. Patients with the rare hereditary problems of galactose intolerance, total lactase deficiency or glucose-galactose malabsorption should not take BLADURIL.

#### **4.5 Interactions with other medicines and other forms of interaction**

No interaction studies have been performed.

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

##### ***Fertility***

There is no data on the effect of flavoxate on human fertility. Flavoxate has no effect on animal fertility.

##### ***Pregnancy***

There is no or limited amount of data from the use of flavoxate in pregnant women. Animal studies do not indicate direct or indirect harmful effects with respect to reproductive toxicity (see section 5.3). As a precautionary measure, it is preferable to avoid the use of BLADURIL during pregnancy.

Safety in pregnancy has therefore not been established.

### **Breastfeeding**

It is unknown whether flavoxate (metabolites) is excreted in human milk. A risk to the suckling child cannot be excluded. BLADURIL should therefore not be used during breastfeeding.

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

BLADURIL may cause drowsiness, blurred vision or vertigo, thus patients should not drive or operate a motor vehicle or machinery, until they are reasonably certain that BLADURIL does not affect them adversely. (see section 4.8).

### **4.8 Undesirable effects**

#### **a. Summary of the safety profile**

No data is available.

#### **b. Tabulated summary of adverse reactions**

<b>System Organ Class</b>	<b>Frequency</b>	<b>Adverse Event</b>
<b>Blood and lymphatic system disorders</b>	Less frequent	Eosinophilia, leukopenia
<b>Immune system disorders</b>	Less frequent Frequency unknown	Angioedema Hypersensitivity, anaphylactic reaction, anaphylactic shock
<b>Psychiatric disorders</b>	Frequency unknown	Confusional state
<b>Nervous system disorders</b>	Less frequent	Drowsiness, dizziness, headache, mental confusion (especially in the elderly), nervousness, somnolence, vertigo
<b>Eye disorders</b>	Less frequent Frequency unknown	Blurred vision, disturbances in eye accommodation, increased ocular tension Glaucoma
<b>Cardiac disorders</b>	Less frequent	Palpitations, tachycardia
<b>Gastrointestinal disorders</b>	Frequent Less frequent	Nausea

		Diarrhoea, dry mouth, dyspepsia, dysphagia, and vomiting
<b>Hepato-biliary disorders</b>	Frequency unknown	Jaundice, liver disorder, hepatic enzyme abnormalities
<b>Skin and subcutaneous tissue disorders</b>	Less frequent	Urticaria, rash, pruritus, and other dermatoses
	Frequency unknown	Erythema
<b>Renal and urinary disorders</b>	Less frequent	Dysuria, urinary retention
<b>General disorders and administration site conditions</b>	Less frequent	Fatigue and hyperpyrexia

#### *Reporting of suspected adverse reactions*

Reporting suspected adverse reactions after authorisation of BLADURIL is important. It allows continued monitoring of the benefit/risk balance of BLADURIL. Health care providers are asked to report any suspected adverse reactions to SAHPRA via the “6.04 Adverse Drug Reactions Reporting Form”, found online under SAHPRA’s publications: <http://www.sahpra.org.za/Publications/Index/8>

#### **4.9 Overdose**

The most likely symptoms of overdose are blurred vision, dry mouth, drowsiness, and diarrhoea or constipation. Treatment of overdosage is symptomatic and supportive.

### **5. PHARMACOLOGICAL PROPERTIES**

#### **5.1 Pharmacodynamic properties**

Pharmacotherapeutic group: A.18 Medicines acting on genito-urinary system  
 ATC code: G04BD02.

#### ***Mechanism of action***

Flavoxate hydrochloride is a non-specific, direct-acting, smooth muscle relaxant.

It acts by inhibiting cAMP-dependent phosphodiesterase, thus producing a cAMP accumulation that reduces the efficiency of the calcium messenger system during smooth

muscle contraction. The compound exhibits only weak affinity for  $\alpha$ - and  $\beta$ -adrenergic receptors involved either directly or indirectly in voiding.

At active doses with myolytic effects, flavoxate does not influence the parasympathetic system and does not cause any vagolytic-like effects.

Recent findings suggest that it may also act on the micturition center.

## 5.2 Pharmacokinetic properties

Flavoxate is readily adsorbed from the gut, enters the blood, and concentrates rapidly in the tissues where it is metabolized into 3-methylflavon-8carboxylic acid. This metabolite is excreted with the urine partly unmodified and partly conjugated as glucuronide.

Urinary excretion takes place within 4 to 6 hours from administration.

## 5.3 Preclinical safety data

Non-clinical data reveals no special hazard for humans based on conventional studies of safety pharmacology, repeated dose toxicity, genotoxicity, and toxicity to reproduction and development. Carcinogenicity studies have not been performed.

## 6 PHARMACEUTICAL PARTICULARS

### 6.1 List of excipients

#### **Core:**

Lactose monohydrate

Magnesium stearate

Microcrystalline cellulose (Avicel PH-102)

Povidone (Polyvinylpyrrolidone K30)

Sodium starch glycolate (Type A)

Talc

#### **Coating:**

Macrogol 6000

Magnesium stearate

Sepifilm® (coating consisting of: hypromellose, macrogol stearate, microcrystalline cellulose)

Titanium dioxide (CI 77891)

### 6.2 Incompatibilities

Not applicable.

### **6.3 Shelf life**

36 months.

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

Store at or below 30 °C.

Protect from moisture and light.

Keep the blister strips in the outer carton until required for use.

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

Cartons of 15 tablets: Each carton contains 1 blister strip containing 15 tablets.

Cartons of 90 tablets: Each carton contains 6 blister strips containing 15 tablets per blister strip.

Not all pack sizes may be marketed.

### **6.6 Special precautions for disposal**

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

No special requirements.

## **7. HOLDER OF CERTIFICATE OF REGISTRATION**

Adcock Ingram Limited

1 New Road,

Erand Gardens,

Midrand, 1685

0860 ADCOCK (232625)

## **8. REGISTRATION NUMBER(S)**

56/18/0136

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

10 May 2022

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