

# Spasverin<sup>TM</sup>

## Alverine Citrate

### COMPOSITION

**Spasverin<sup>TM</sup>** tablet: Each tablet contains Alverine Citrate BP 60 mg.

### PHARMACOLOGICAL INFORMATION

#### **Pharmacological Action**

Alverine Citrate is a smooth muscle relaxant. Smooth muscle is a type of muscle that is not under voluntary control. Alverine Citrate acts directly on the muscle in the gut, causing it to relax. This prevents the muscle spasms which occur in the gut in conditions such as irritable bowel syndrome and diverticular disease. Alverine Citrate also relaxes the smooth muscle in the womb (uterus). It is therefore also used to treat painful menstruation, which is caused by muscle spasms in the uterus (dysmenorrhea).

#### **Mechanism of action**

Alverine citrate is a spasmolytic which has a specific action on the smooth muscle of the alimentary tract and uterus, without affecting the heart, blood vessels and tracheal muscle at therapeutic doses. It is equally effective in reducing muscular contractions induced by acetyl choline, histamine or 5-hydroxytryptamine. It acts selectively on gut and uterine muscle.

### PHARMACOKINETIC PROPERTIES

After oral administration, Alverine Citrate is rapidly converted to its primary active metabolite, which is then further converted to two secondary metabolites. There is a high renal clearance of all metabolites indicating that they are eliminated by active renal secretion. The peak plasma level of the most active metabolite occurs between 1 and 1½ hours after oral dosing.

### CLINICAL INFORMATION

#### **Therapeutic Indications**

- Abdominal pain associated with menstrual periods
- Bowel movement disturbances caused by small sacs or pouches in the wall of the gut (diverticular disease)
- Irritable Bowel Syndrome
- Relief of other conditions associated with spasm of involuntary muscle

#### **Dosage and Administration**

60-120 mg 1-3 times daily.

#### **Use In Pregnancy and Lactation**

The safety of this medicine during pregnancy and lactation is not established. It is not recommended for use during pregnancy or breastfeeding.

#### **Side Effects**

Headache, rash, itching (pruritus), nausea, dizziness and rarely allergic reaction (anaphylaxis)

#### **Contraindications**

The medicine is contraindicated in patients with Paralytic ileus and known hypersensitivity to one or any of its ingredients.

#### **Precaution**

This medicine is not recommended for children under 12 years of age.

#### **Drug Interaction**

There are no interactions reported with this medicine.

#### **Overdosage**

Alverine can produce hypotension and atropine-like toxic effects. Management is, as for atropine poisoning, with supportive therapy for hypotension.

### PHARMACEUTICAL

### INFORMATION

#### **Storage Conditions**

Store in a cool and dry place away from light. Keep out of the reach of children.

#### **Presentation**

**Spasverin<sup>TM</sup>** tablet: Each commercial box contains 50 tablets in blister pack.

Manufactured By

**BEACON**<sup>®</sup>

Pharmaceuticals PLC

Bhaluka, Mymensingh, Bangladesh

TM-Trade Mark