

# Dismonal®

Alverine Citrate

## Description

Alverine Citrate (**Dismonal®**) is a smooth muscle relaxant. Smooth muscle is a type of muscle that is not under voluntary control. Alverine Citrate (**Dismonal®**) 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 (**Dismonal®**) 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).

## Mode of action

Alverine citrate (**Dismonal®**) 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 acetylcholine, histamine or 5-hydroxytryptamine. It acts selectively on gut and uterine muscle.

## Pharmacokinetics

After oral administration, Alverine Citrate (**Dismonal®**) 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.

## Composition

**Dismonal® Tablet:** Each tablet contains Alverine Citrate BP 60 mg.

## Indications

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

## Dosage and administration

60-120 mg 1-3 times daily.

## Contraindications

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

## Side effects

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

## Use in Pregnancy & Lactation

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

## Precautions

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

## Drug Interactions

There are no interactions reported with this medicine.

## Over dosage

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

## Storage

Keep out of reach of children. Store in a dry place, below 25°C temperature and protected from light.

## Packaging

**Dismonal® Tablet:** Each carton contains 10X5 tablets in blister pack.



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