Composition
Tablet: Tiemonium methylsulfate 50 mg
Syrup: Tiemonium methylsulfate 10 mg / 5 ml
Ampoule: Tiemonium methylsulfate 5 mg

Pharmacological properties
Tiemonium is a quaternary ammonium antispasmodic compound with peripheral antimuscarinic effects (1/50 the effect of atropine).

Pharmacokinetic properties
Oral route: Half-life of elimination is 3h24 min.
Maximum plasma concentration is reached in 2 h, total excretion in 72 h (fecal excretion 70% in 72 h, urinary excretion 8% in 24 h; also by respiratory and cutaneous routes).

Indications
- Treatment of spasm and symptomatic treatment of pain related to functional disorders in the digestive tract, biliary system, urinary tract and in gynecology.

Contraindications
- Urethroprostatic disorders involving a risk of urine retention.
- Risk of closed angle glaucoma.

Warnings
Precautions for use:

* Pregnancy and breast-feeding:
  - The results of animal studies of Tiemonium did not reveal any teratogenic effects. Although these results do not prejudge the effects in man, no deformities have been reported up till now with normal use.
  - In the absence of sufficient data, caution should be the rule for nursing mothers although no problems have been reported with normal use.

* Effects on ability to drive vehicles or operate machines:
  None.

* Interactions with drugs and other interactions:
  None.

* Undesirable effects: Risk of hypotension & tachycardia in case of rapid injection.

Dosage & Administration
- Tablet: The usual dosage in adults is 2 to 6 tablets daily in divided doses.

- Syrup: The usual dosage is:
  In adults: 1 to 3 tablespoonfuls 3 times daily.
  In children: 3 teaspoonfuls / 5 kg body weight / day in divided doses.

- Ampoules: 1 ampoule by slow I.M. or I.V. injection, up to 3 times daily.
Overdose
Symptoms: Appearance of atropinic effects: Dry mouth, constipation, tachycardia, and in elderly patients confusion.

Treatment: Symptomatic treatment in a specialized unit with cardiac and respiratory monitoring in case of solution injected.
Evacuation of toxic substance plus symptomatic treatment in a specialized unit with cardiac and respiratory monitoring in case of tablet & syrup.
Presentation
- Tablets: Carton box containing 1, 2, 3, 25 (PVC/AL) strips, each of 10 tablets + inner leaflet.
- Syrup: Bottle of 120 ml of 10mg /5 ml syrup.
- Ampoules: Carton box containing 3, 100 Ampoules 5mg /2 ml + inner leaflet.