



Tolson®

Tolperisone Hydrochloride

Description

Tolperisone hydrochloride is a centrally acting muscle relaxant. It effectively reduces muscular hypertonicity, improves peripheral blood flow by vasodilatation and reduces muscle pain.

Mode of action

Tolperisone hydrochloride shows high affinity towards the ion-channels in cell membrane of the nervous system where it inhibits the active sodium channels of neuronal membrane. Based on this membrane stabilizing activity, tolperisone reduces the frequency of the action potential of nociceptive afferent peripheral nerves, reduces the increased mono- and poly-synaptic reflex-activity in the spinal cord and also reduces the impulse rate originating from the reticular formation of the brain stem. Furthermore, tolperisone increases the peripheral circulation.

Pharmacokinetics

Tolperisone hydrochloride is entirely absorbed after oral administration; maximum serum plasma levels are reached after about 1.5 hours. Tolperisone hydrochloride and its metabolites are completely excreted through the kidneys with a half-life of approximately 2.5 hrs.

Composition

Tolson® 50 mg Tablet: Each film-coated tablet contains Tolperisone Hydrochloride INN 50 mg.

Tolson® 100 mg Tablet: Each film-coated tablet contains Tolperisone Hydrochloride INN 100 mg.

Tolson® 100 mg Injection: Each 1ml ampoule contains Tolperisone Hydrochloride INN 100 mg.

Indications

- Low back pain
- Muscle spasm
- Post-cerebral stroke spasticity
- Neurolathyrism
- Trapezitis
- Rehabilitation programmes
- Periarthritis

Dosage & administration

Tablet

Adult: The usually recommended dose of Tolperisone hydrochloride in adults is 50 mg tablet given three times a day (i.e. a daily dose of 150 mg) that can be increased to a maximum daily dose of 600 mg if required.

Children: In children, the drug is administered in a daily dose of 5-10 mg/kg/day (from 3 months to 6 years) & 2-4 mg/kg/day (from 6 to 14 years), given in three divided doses.

The dose of the drug should be reduced in the elderly and in patients with hepatic or renal insufficiency.

Injection

Adults over 12 years old:

IM: 100 mg every 12 hours.

IV: 100 mg every 24 hours.

Injections should be given slowly

Contraindications

Previously known hypersensitivity to tolperisone; myasthenia gravis, nursing mother.

Side effects

Sometimes muscular weakness, headache, nausea, vomiting and rarely hypersensitivity reactions may occur. It may cause excessive sweating, urticaria or erythema.

Use in pregnancy & lactation

Not recommended during pregnancy & lactation.

Precautions

In case of children, the prescribed dose and duration of treatment should closely be observed.

Drug interactions

Concomitant use of methocarbamol with tolperisone hydrochloride has been reported to cause disturbance of visual accommodation.

Overdosage

No data is available regarding the overdose of Tolperisone. The maximum daily dose is 600 mg for adult.

Storage

Store in a cool and dry place, protected from light.

Packaging

Tolson® 50 mg Tablet: Each carton contains 10X5 tablets in blister pack.

Tolson® 100 mg Tablet: Each carton contains 10X5 tablets in blister pack.

Tolson® 100 mg Injection: Each carton contains 5X1 ampoules of 1 ml.



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Ideas for healthcare

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