

# Thiotale Injection

## Thiocolchicoside Injection (4 mg/ml)

*Generic Name:*

Thiocolchicoside

*Dosage Form:*

Injection (Intramuscular or Intravenous)

*Strength:*

4 mg/ml

## Description

Thiocolchicoside is a semi-synthetic derivative of colchicoside, a naturally occurring compound. It is a muscle relaxant with anti-inflammatory and analgesic properties. It acts as a selective GABA-A receptor agonist, providing muscle relaxation by modulating the central nervous system.

## Indications

Thiocolchicoside is prescribed for:

- Relief of acute and painful muscle spasms associated with:
  - Neurological disorders
  - Rheumatic conditions
  - Post-traumatic conditions
- Adjunctive therapy in musculoskeletal conditions.

## Mechanism of Action

Thiocolchicoside acts on the central nervous system, selectively binding to GABA-A receptors.

This promotes muscle relaxation without significantly sedative effects.

## Dosage and Administration

- **Recommended Dose:** 4 mg every 12 hours via intramuscular injection.
- **Duration:** Short-term use, usually 5-7 days.
- **Route of Administration:**
  - **Intramuscular:** Preferred for faster absorption.
  - **Intravenous (IV):** Use only if specified by a healthcare provider.

## Important Notes

- Use only under medical supervision.
- Adjust dosage for specific patient conditions (e.g., renal or hepatic impairment).

## Contraindications

- Hypersensitivity to thiocolchicoside or its excipients.
- Pregnancy and breastfeeding (may affect the fetus or infant).
- History of seizures or epilepsy.

## Warnings and Precautions

- Use with caution in patients with renal or hepatic impairment.
- Avoid long-term use due to potential side effects.
- Monitor for signs of allergic reactions or severe side effects.

## Adverse Effects

Common side effects include:

- Gastrointestinal disturbances (e.g., nausea, vomiting, diarrhea)
- Drowsiness or dizziness
- Injection site reactions

Rare but severe side effects:

- Hypersensitivity reactions
- Neurological effects (e.g., seizures)

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## Drug Interactions

- Enhanced effects when combined with other CNS depressants (e.g., alcohol, sedatives).
- Use caution when co-administered with anticoagulants or other muscle relaxants.

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## Storage Instructions

- Store below 25°C (77°F).
- Protect from light and moisture.
- Do not freeze.

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## Conclusion

Thiocolchicoside Injection is an effective short-term solution for muscle relaxation in acute conditions.

Proper medical supervision is essential to avoid complications and ensure therapeutic benefits.

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