

Brand Name: MEKAGAB-NT TABLET

Composition: Gabapentin & Nortriptyline tablet.

Dosage Form: Tablet.

Category: Neuropathic Pain Management / Anticonvulsant & Antidepressant Combination.

Packaging Type: ALU-ALU.

Packaging: 10 x 10.

Brief Product Introduction:

MEKAGAB-NT is a dual-action formulation manufactured by **AstraEureka Pharmaceutical**, combining **Gabapentin**, an anticonvulsant, and **Nortriptyline**, a tricyclic antidepressant. It is specifically designed for the effective management of **neuropathic pain** associated with diabetic neuropathy, postherpetic neuralgia, and other peripheral nerve disorders. The synergistic effect of both active agents offers superior relief from nerve pain, mood disturbances, and sleep issues commonly experienced in chronic neuropathic conditions.

Composition:

Each film-coated tablet contains

Gabapentin IP.....400 mg

Nortriptyline Hydrochloride IP
(Eq. to Nortriptyline).....10 mg

Excipients.....q.s

Key Ingredients:

- **Gabapentin:** An antiepileptic agent that modulates calcium channels in the central nervous system to reduce nerve pain and seizures.
- **Nortriptyline:** A tricyclic antidepressant that inhibits the reuptake of serotonin and norepinephrine, enhancing mood and reducing neuropathic pain.

Key Benefits:

1. Provides sustained relief from chronic neuropathic pain
2. Improves nerve function and reduces pain signals
3. Helps manage burning, tingling, and numbness sensations
4. Improves sleep quality disrupted by nerve pain
5. Enhances overall quality of life in patients with diabetic or nerve-related pain
6. Reduces symptoms of anxiety and depression related to chronic pain

Indications:

1. Diabetic peripheral neuropathy

2. Postherpetic neuralgia (pain after shingles)
3. Sciatica and radiculopathy
4. Trigeminal neuralgia
5. Fibromyalgia
6. Neuropathic pain associated with spinal cord injury or multiple sclerosis
7. Adjunct in anxiety and depressive disorders with pain symptoms

Directions for Use:

1. To be taken orally with or without food
2. Swallow whole with a glass of water
3. Should be taken at the same time each day for best results
4. Follow physician's directions strictly for dosage and duration

Dosage and Administration:

- **Adults:** One tablet once or twice daily, or as directed by the physician
- Dosage should be individualized based on response and tolerability
- Titrate gradually to minimize side effects
- Not recommended for pediatric use without medical advice

Safety Information:

1. Use with caution in elderly and renal impairment.
2. Avoid driving or operating machinery due to drowsiness or dizziness.
3. Do not discontinue abruptly—requires gradual tapering.
4. Inform physician about other CNS depressants being taken.
5. Monitor mental health symptoms in long-term use.
6. Alcohol may enhance side effects and should be avoided.

Mechanism of Action:

- **Gabapentin** binds to the alpha-2-delta subunit of voltage-gated calcium channels in CNS neurons, reducing the release of excitatory neurotransmitters and lowering nerve excitability, which leads to pain relief.
- **Nortriptyline** inhibits the reuptake of norepinephrine and serotonin at the neuronal synapses, increasing their levels to improve mood and modulate pain perception in the central nervous system.
This combination offers **dual analgesic and antidepressant effects**, improving both physical pain and emotional well-being.

Contraindications:

1. Hypersensitivity to Gabapentin or Nortriptyline

2. Recent myocardial infarction
3. Cardiac arrhythmias or conduction defects
4. Concurrent use of MAO inhibitors (within 14 days)
5. Glaucoma or urinary retention (caution advised)

Side Effects:

1. Drowsiness, dizziness, and fatigue
2. Dry mouth, constipation
3. Weight gain or increased appetite.
4. Mood changes or confusion (rare).
5. Visual disturbances.
6. Nausea or upset stomach.
7. Allergic reactions (rash or itching) in rare cases.

Important Notice:

- **MEKAGAB-NT** should be used **only under medical supervision** for neuropathic conditions.
- Sudden discontinuation can lead to withdrawal symptoms. This product is not meant for acute pain or self-treatment.
- Patients should be regularly monitored for mood changes and therapy response.

Storage Condition:

1. Store in a cool, dry place below 30°C.
2. Protect from light and moisture.
3. Keep out of reach of children.

Packing Information:

- Packaging Type: ALU-ALU.
- Pack Size: 10 x 10 tablets (100 tablets per box).