

La Renon

Rise  Above  
**Pain**



**LAREGAB**

Gabapentin 100mg and 300mg Capsules

**LAREGAB-M**

Gabapentin & Methylcobalamin 100 mg + 500 mcg &  
300 mg + 500 mcg Tablets.

**LAREGAB-AT**

Gabapentin 300mg & Amitriptyline 10mg Tablets

**LAREGAB-AT LS**

Gabapentin 100mg & Amitriptyline 10mg Tablets

**LAREGAB-NT**

Gabapentin 400mg with Nortriptyline 10mg Tablets

**NOW AVAILABLE  
in Low strength**

**LAREGAB-NT LS**

Gabapentin 200 mg and Nortriptyline 10 mg Tablets.

## Description :

**Laregab** contains Gabapentin as capsules, a medication originally developed for the treatment of epilepsy. Presently, gabapentin is widely used to relieve pain, especially neuropathic pain.

**Laregab-M** is a combination of gabapentin (100 mg & 300 mg) with Methylcobalamin (500 mcg) Tablets.

**Laregab-NT / NTLS** is a combination of gabapentin (400 mg & 200 mg) with Nortriptyline (10 mg) Tablets.

**Laregab-AT / ATLS** is a combination of gabapentin (300 mg & 100 mg) with amitriptyline (10 mg) Tablets, anti-epileptic and tricyclic anti-depressant are often widely used for various types of neuropathic pain or multiple sclerosis.

## Mechanism of Action :

**Gabapentin** : The precise mechanisms by which gabapentin produces its analgesic and antiepileptic actions are unknown. Gabapentin is structurally related to the neurotransmitter gamma-aminobutyric acid (GABA) but has no effect on GABA binding, uptake, or degradation. In vitro studies have shown that gabapentin binds with high-affinity to the  $\alpha 2 \delta$  subunit of voltage-activated calcium channels; however, the relationship of this binding to the therapeutic effects of gabapentin is unknown.

**Methylcobalamin** is active form of vitamin B12 which plays a key role in the normal functioning of the brain and nervous system. It exerts its therapeutic effects on neuropathic pain through its neuro-synthesis and neuro-protective actions.

**Amitriptyline** is a dibenzocycloheptadiene tricyclic antidepressant. It increases synaptic concentration of serotonin and/or norepinephrine in the CNS by blocking the neuronal reuptake of norepinephrine and serotonin.

**Nortriptyline** is a metabolite of amitriptyline and it inhibits the reuptake of the biogenic amines, mostly norepinephrine (NE), as well as serotonin (5HT) affect pain transmission in the spinal cord by inhibiting the reuptake of norepinephrine and serotonin, both of which influence descending pain pathways.

## Indication :

For the management of Neuropathic pain

## Dosage :

**Neuropathic Pain** : Laregab therapy may be initiated at dosage of 100-300 mg at bedtime or 100-300 mg thrice a day. Maximum tolerable dose 3600 mg/day or as prescribed by the Registered Medical Practitioner.

**Post herpetic Neuralgia** : Laregab therapy may be initiated as a single 300 mg dose on Day 1, 600 mg on Day 2 (divided BID), and 900 mg on Day 3 (divided TID). The dose can subsequently be titrated up as needed for pain relief to a daily dose of 1800 mg (divided TID) or as prescribed by the Registered Medical Practitioner.

## Administration :

Laregab is given orally with or without food.

References : 1. R.H. Dworkin et al. / Pain 132 (2007) 237–251 | 2. Acta Anaesthesiol Taiwan. 2005 Jun;43(2):73-7.

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