

## OPIDOL XR TABLETS/CAPSULE

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<b>Generic name:</b>	Tramadol Hydrochloride
<b>Category:</b>	Non-Narcotic Analgesic
<b>Composition/Presentation</b>	<b>Each film coated Extended release tablet contains</b> Tramadol HCl 100 mg Available in 10 Capsules X 10 Blisters <b>Each capsule contains Tramadol HCl 50 mg</b> Available in 30 tablets x 5 Blisters

### MECHANISM OF ACTION

Tramadol is a centrally-acting analgesic, used for treating moderate to moderately severe pain. It is a weak Opioid receptor agonist. It is a synthetic Opioid. The analgesic effects of Opioids are due to decreased perception of pain, decreased reaction to pain as well as by increased pain tolerance. Opioids bind to specific opioid receptor ( $\mu$ ) in the CNS and in other tissues. Tramadol is a synthetic piperidine-analog of Codeine and, as such, is an Opioid and also a pro-drug (*Codeine gets metabolized to Morphine, Tramadol gets converted to M-1 aka O-desmethyltramadol*). Tramadol has a weak affinity for opioid receptors binding preferentially to the  $\mu$  receptors. It also inhibits both norepinephrine and serotonin neuronal reuptake and facilitates its release. (*Serotonin normally reduces the intensity of pain signals sent to the brain*). Serotonin blocks the perception of pain in the brain. Serotonin helps keep 'pain gates' closed, a lack of it can make you feel more pain. Serotonin also increases the flexibility of veins, arteries and capillaries. The more flexible they are, the less likely they are to generate pain.

### USES

To treat moderate to moderately severe chronic pain in adults namely: Post operative pain, acute dental pain, arthritic pain, low back pain, refractory cancer pain.

### PHARMACOKINETICS

<b>Bioavailability:</b>	75%
<b>Metabolism:</b>	Hepatic
<b>Elimination:</b>	30% excreted unchanged in the urine and 60% excreted as metabolites.
<b>Half life:</b>	7.9 hr

### DOSAGE

100 mg once daily( as per the condition). Tramadol is used similarly to Codeine, to treat moderate to moderately severe pain and most types of neuralgia.

## CONTRAINDICATIONS

- Hypersensitivity to Tramadol
- Creatinine clearance less than 30 mL/min,
- Severe Hepatic Impairment
- Acute intoxication with any of the following: alcohol, hypnotics, narcotics, centrally acting analgesics, opioids or psychotropic agents

## ADVERSE EFFECTS

- Nausea
- Vomiting
- Sweating
- Constipation

## DRUG INTERACTIONS

- Possible increase in anticoagulation effect with Warfarin
- Increased risk of seizures with SSRIs, TCA
- Reduced analgesic effect with Carbamazepine

For further information, please contact:

**Market Planning Department**



**Deurali-Janta Pharmaceuticals Pvt. Ltd.**

GPO Box 4239, 355 Hattisar Road, Kamalpokhari, Kathmandu, Nepal.

Tel: 4435167/68/69 E-mail: [mplanning@deuralijanta.com](mailto:mplanning@deuralijanta.com) Website: [www.deuralijanta.com](http://www.deuralijanta.com)