



- If you miss a dose, take it as soon as you remember with food. If it is almost time for your next dose, just skip the missed dose. Take the next dose at your regular time. **Do not take two doses at the same time.**
- If you take too much gabapentin tablets, call your healthcare provider or poison control center, or go to the nearest emergency room right away.
- If you are taking an antacid containing aluminum hydroxide and magnesium hydroxide, it is recommended that gabapentin tablets be taken at least 2 hours following administration of the antacid.

What should I avoid while taking gabapentin tablets?

- Do not drink alcohol or take other medicines that make you sleepy or dizzy while taking gabapentin tablets without first talking to your healthcare provider. Taking gabapentin tablets with alcohol or medicines that cause sleepiness or dizziness may make your sleepiness or dizziness worse.
- Do not operate heavy machines or do other dangerous activities until you know how gabapentin tablets affect you. Gabapentin tablets can slow your thinking and motor skills.

What are the possible side effects of gabapentin tablets?

The most common side effect of gabapentin tablets are:

- dizziness

Tell your healthcare provider about any side effect that bothers you or that does not go away.

These are not all the possible side effects of gabapentin tablets. For more information, ask your healthcare provider or pharmacist.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

How should I store gabapentin tablets?

Store gabapentin tablets at 59°F to 86°F (15°C to 30°C).

- **Keep gabapentin tablets and all medicines out of the reach of children.**

General information about the safe and effective use of gabapentin tablets

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use gabapentin tablets for a condition for which it was not prescribed. Do not give gabapentin tablets to other people, even if they have the same symptoms you have. It may harm them.

This Medication Guide summarizes the most important information about gabapentin tablets. If you would like more information, talk with your healthcare provider. You can ask your healthcare provider or pharmacist for information about gabapentin tablets that is written for health professionals.

For more information about gabapentin tablets, call 1-888-374-2791.

What are the ingredients in gabapentin tablets?

Active ingredient: gabapentin

Inactive ingredients:

300 mg tablet: copovidone, hypromellose, magnesium stearate, microcrystalline cellulose, polyethylene oxide, and Opadry® II white. Opadry® II white contains polyvinyl alcohol, polyethylene glycol, titanium dioxide, and talc.

600 mg tablet: copovidone, hypromellose, magnesium stearate, polyethylene oxide, and Opadry® II orange. Opadry® II orange contains D&C yellow #10 aluminum lake, FD&C red #40 aluminum lake, polyvinyl alcohol, polyethylene glycol, titanium dioxide, and talc.

Distributed by:

Epic Pharma, LLC

Laurelton NY, 11413

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Gabapentin tablets should be taken with evening meals. If it is taken on an empty stomach, the bioavailability will be substantially lower.

Administration of gabapentin tablets with food increases the rate and extent of absorption of gabapentin compared to the fasted state. C_{max} of gabapentin increases 33-84% and AUC of gabapentin increases 33-118% with food depending on the fat content of the meal. Gabapentin tablets should be taken with food.

Distribution

Gabapentin is less than 3% bound to plasma proteins. After 150 mg intravenous administration, the mean \pm SD volume of distribution is 58 \pm 6 L.

Elimination

Gabapentin is eliminated by renal excretion as unchanged drug.

In patients with normal renal function given gabapentin immediate release 1,200 to 3,000 mg/day, the drug elimination half-life ($t_{1/2}$) was 5 to 7 hours. Elimination kinetics do not change with dose level or multiple doses.

Metabolism

Gabapentin is not appreciably metabolized in humans.

Excretion

Gabapentin elimination rate constant, plasma clearance, and renal clearance are directly proportional to creatinine clearance. In elderly patients and patients with impaired renal function, plasma clearance is reduced. Gabapentin can be removed from plasma by hemodialysis.

Dosage adjustment in patients with compromised renal function is necessary. In patients undergoing hemodialysis, Gabapentin tablets should not be administered [see *Dosage and Administration* (2.2)].

12.4 Special Populations

Renal Insufficiency

As renal function decreases, renal and plasma clearances and the apparent elimination rate constant decrease, while C_{max} and $t_{1/2}$ increase.

In patients (N=60) with creatinine clearance of at least 60, 30 to 59, or less than 30 mL/min, the median renal clearance rates for a 400 mg single dose of gabapentin immediate release were 79, 36, and 11 mL/min, respectively, and the median $t_{1/2}$ values were 9.2, 14, and 40 hours, respectively.

Dosage adjustment is necessary in patients with impaired renal function [see *Dosage and Administration* (2.2)].

Hemodialysis

In a study in anuric adult subjects (N=11), the apparent elimination half-life of gabapentin on nondialysis days was about 132 hours; during dialysis the apparent half-life of gabapentin was reduced to 3.8 hours.

Hemodialysis thus has a significant effect on gabapentin elimination in anuric subjects. Gabapentin tablets should not be administered in patients undergoing hemodialysis. Alternative formulations of gabapentin products should be considered in patients undergoing hemodialysis.

Elderly

Apparent oral and renal clearances of gabapentin decrease with increasing age, although this may be related to the decline in renal function with age. Reductions in gabapentin dose should be made in patients with age-related compromised renal function [see *Dosage and Administration* (2.2)].

Hepatic Impairment

Because gabapentin is not metabolized, studies have not been conducted in patients with hepatic impairment.

Pediatrics

The pharmacokinetics of gabapentin tablets have not been studied in patients less than 18 years of age.

Gender

Although no formal study has been conducted to compare the pharmacokinetics of gabapentin in men and women, it appears that the pharmacokinetic parameters for males and females are similar and there are no significant gender differences.

Race

Pharmacokinetic differences due to race have not been studied. Because gabapentin is primarily renally excreted and there are no important racial differences in creatinine clearance, pharmacokinetic differences due to race are not expected.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Gabapentin was given in the diet to mice at 200, 600, and 2,000 mg/kg/day and to rats at 250, 1,000, and 2,000 mg/kg/day for 2 years. A statistically significant increase in the incidence of pancreatic acinar cell adenoma and carcinomas was found in male rats receiving the high dose; the no-effect dose for the occurrence of carcinomas was 1,000 mg/kg/day. Peak plasma concentrations of gabapentin in rats receiving the high dose of 2,000 mg/kg/day were more than 10 times higher than plasma concentrations in humans receiving 1,800 mg per day and in rats receiving 1,000 mg/kg/day peak plasma concentrations were more than 6.5 times higher than in humans receiving 1,800 mg/day. The pancreatic acinar cell carcinomas did not affect survival, did not metastasize and were not locally invasive. The relevance of this finding to carcinogenic risk in humans is unclear.

Studies designed to investigate the mechanism of gabapentin-induced pancreatic carcinogenesis in rats indicate that gabapentin stimulates DNA synthesis in rat pancreatic acinar cells *in vitro* and, thus, may be acting as a tumor promoter by enhancing mitogenic activity. It is not known whether gabapentin has the ability to increase cell proliferation in other cell types or in other species, including humans.

Mutagenesis

Gabapentin did not demonstrate mutagenic or genotoxic potential in 3 *in vitro* and 4 *in vivo* assays. It was negative in the Ames test and the *in vitro* HGPRT forward mutation assay in Chinese hamster lung cells; it did not produce significant increases in chromosomal aberrations in the *in vitro* Chinese hamster lung cell assay; it was negative in the *in vivo* chromosomal aberration assay and in the *in vivo* micronucleus test in Chinese hamster bone marrow; it was negative in the *in vivo* mouse micronucleus assay; and it did not induce unscheduled DNA synthesis in hepatocytes from rats given gabapentin.

Impairment of Fertility

No adverse effects on fertility or reproduction were observed in rats at doses up to 2,000 mg/kg (approximately 11 times the maximum recommended human dose on an mg/m² basis).

14 CLINICAL STUDIES

The efficacy of gabapentin tablets for the management of postherpetic neuralgia was established in a double-blind, placebo-controlled, multicenter study. This study enrolled patients between the age of 21 to 89 with postherpetic neuralgia persisting for at least 6 months following healing of herpes zoster rash and a minimum baseline pain intensity score of at least 4 on an 11-point numerical pain rating scale ranging from 0 (no pain) to 10 (worst possible pain).

This 11-week study compared gabapentin tablets 1,800 mg once daily with placebo. A total of 221 and 231 patients were treated with gabapentin tablets or placebo, respectively. The study treatment including titration for all patients comprised a 10-week treatment period followed by 1-week of dose tapering. Double-blind treatment began with titration starting at 300 mg/day and titrated up to a total daily dose of 1,800 mg over 2 weeks, followed by 8 weeks fixed dosing at 1,800 mg once daily, and then 1 week of dose tapering. During the 8-week stable dosing period, patients took 3 active or placebo tablets each night with the evening meal. During baseline and treatment, patients recorded their pain in a daily diary using an 11-point numeric pain rating scale. The mean baseline pain score was 6.6 and 6.5 for gabapentin tablets and placebo-treated patients, respectively.

Treatment with gabapentin tablets statistically significantly improved the endpoint mean pain score from baseline. For various degrees of improvement in pain from baseline to study endpoint, Figure 1 shows the fraction of patients achieving that degree of improvement. The figure is cumulative, so that patients whose change from baseline is, for example, 50%, are also included at every level of improvement below 50%.

Patients who did not complete the study were assigned 0% improvement.

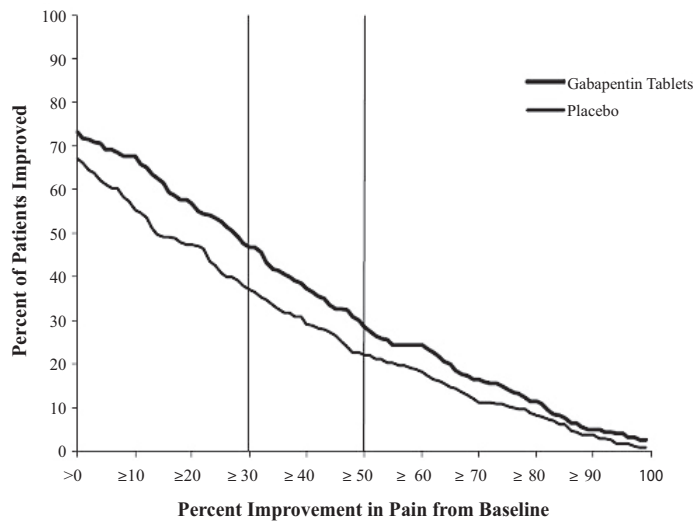


Figure 1: Percent of Patients Achieving Various Levels of Pain Relief

16 HOW SUPPLIED/STORAGE AND HANDLING


Once-daily Gabapentin Tablets are supplied as follows:

300 mg tablets:

Gabapentin 300 mg tablets are white, oval film-coated tablet debossed with "300" above  on one side and plain on the other side.

NDC 42806-656-09 (Bottle of 90)

600 mg tablets:

Gabapentin 600 mg tablets are orange, oval film-coated tablet debossed with "600" above  on one side and plain on the other side.

NDC 42806-657-09 (Bottle of 90)

Storage

Store at 20° to 25°C (68° to 77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature].

Keep out of reach of children.

17 PATIENT COUNSELING INFORMATION

Advise patients of the availability of a Medication Guide, and instruct them to read the Medication Guide prior to taking gabapentin tablets.

- Advise patients that once-daily gabapentin tablets are not interchangeable with other formulations of gabapentin.
- Advise patients to take gabapentin tablets only as prescribed. Gabapentin tablets may cause dizziness, somnolence, and other signs and symptoms of CNS depression.
- Advise patients not to drive or operate other complex machinery until they have gained sufficient experience on gabapentin tablets to gauge whether or not it adversely affects their mental and/or motor performance. Advise patients who require concomitant treatment with morphine to tell their prescriber if they develop signs of CNS depression such as somnolence. If this occurs the dose of gabapentin tablets or morphine should be reduced accordingly.
- Advise patients that if they miss a dose of gabapentin tablets to take it with food as soon as they remember. If it is almost time for the next dose, just skip the missed dose and take the next dose at the regular time. Do not take two doses at the same time.
- Advise patients that if they take too much gabapentin tablets, to call their healthcare provider or poison control center, or go to the nearest emergency room right away.

Suicidal Thoughts and Behavior

Advise patients, their caregivers, and families that AEDs, including gabapentin, the active ingredient in gabapentin tablets, may increase the risk of suicidal thoughts and behavior and should be advised of the need to be alert for the emergence or worsening of symptoms of depression, any unusual changes in mood or behavior, or the emergence of suicidal thoughts, behavior, or thoughts about self-harm. Behaviors of concern should be reported immediately to healthcare providers [see *Warnings and Precautions* (5.1)].

Respiratory Depression

Inform patients about the risk of respiratory depression. Include information that the risk is greatest for those using concomitant central nervous system (CNS) depressants (such as opioid analgesics) or in those with underlying respiratory impairment. Teach patients how to recognize respiratory depression and advise them to seek medical attention immediately if it occurs [see *Warnings and Precautions* (5.2)].

Dosing and Administration

Once-daily gabapentin tablets are not interchangeable with other gabapentin products because of differing pharmacokinetic profiles that affect the frequency of administration.

The safety and effectiveness of gabapentin tablets in patients with epilepsy has not been studied.

Advise patients that gabapentin tablets should be taken orally once daily with the evening meal. Gabapentin tablets should be swallowed whole. Do not split, crush, or chew the tablets [see *Dosage and Administration* (2.1)].

Pregnancy

Advise patients to notify their healthcare provider if they become pregnant or intend to become pregnant during treatment with gabapentin tablets [see *Use in Specific Populations* (8.1)].

Dispense with Medication Guide available at: www.epic-pharma.com/medguide/Gabapentin-Tablets.pdf

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