

Additional pediatric use information is approved for UCB, Inc.'s VIMPAT[®] (lacosamide) tablets and oral solution. However, due to UCB, Inc.'s marketing exclusivity rights, this drug product is not labeled with that pediatric information

For more information, call 1-866-495-1995.

This Medication Guide has been approved by the U.S. Food and Drug Administration

Medication Guide available at <http://camberpharma.com/medication-guides>



Manufactured for:
Camber Pharmaceuticals, Inc.
Piscataway, NJ 08854

By: Annora Pharma Pvt. Ltd.
Sangareddy - 502313, Telangana, India.

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8.5 Geriatric Use

There were insufficient numbers of elderly patients enrolled in partial-onset seizure trials (n = 18) to adequately determine whether they respond differently from younger patients. No lacosamide dose adjustment based on age is necessary. In elderly patients, dose titration should be performed with caution, usually starting at the lower end of the dosing range, reflecting the greater frequency of decreased hepatic function, decreased renal function, increased cardiac conduction abnormalities, and polypharmacy (see *Dosage and Administration* (2.1, 2.2, 2.3, 2.4 and *Clinical Pharmacology* (12.3)).

8.6 Renal Impairment

Based on data in adults, no dose adjustment is necessary in adult and pediatric patients with mild to moderate renal impairment (CL_{CR} ≥ 30 mL/min). In adult and pediatric patients with severe renal impairment (CL_{CR} < 30 mL/min) and in those with end-stage renal disease, a reduction of 25% of the maximum dosage is recommended (see *Dosage and Administration* (2.3) and *Clinical Pharmacology* (12.3)).

In all patients with renal impairment, dose titration should be performed with caution.

Lacosamide is effectively removed from plasma by hemodialysis. Dosage supplementation of up to 50% following hemodialysis should be considered.

8.7 Hepatic Impairment

Based on data in adults, for adult and pediatric patients with mild to moderate hepatic impairment, a reduction of 25% of the maximum dosage is recommended. Patients with mild to moderate hepatic impairment should be observed closely during dose titration (see *Dosage and Administration* (2.4), *Clinical Pharmacology* (12.3)). The pharmacokinetics of lacosamide has not been evaluated in severe hepatic impairment. Lacosamide use is not recommended in patients with severe hepatic impairment.

9 DRUG ABUSE AND DEPENDENCE

9.1 Controlled Substance

Lacosamide is a Schedule V controlled substance.

9.2 Abuse

In a human abuse potential study, single doses of 200 mg and 800 mg lacosamide produced euphoria-type subjective responses that differentiated statistically from placebo; at 800 mg, these euphoria-type responses were statistically indistinguishable from those produced by alprazolam, a Schedule IV drug. The duration of the euphoria-type responses following lacosamide was less than that following alprazolam. A high rate of euphoria was also reported as an adverse event in the human abuse potential study following single doses of 800 mg lacosamide (15% [5/34]) compared to placebo (0%) and in two pharmacokinetic studies following single and multiple doses of 300 to 800 mg lacosamide (ranging from 6% [2/33] to 25% [3/12]) compared to placebo (0%). However, the rate of euphoria reported as an adverse event in the lacosamide development program at therapeutic doses was less than 1%.

9.3 Dependence

Abrupt termination of lacosamide in clinical trials with diabetic neuropathic pain patients produced no signs or symptoms that are associated with a withdrawal syndrome indicative of physical dependence. However, psychological dependence cannot be excluded due to the ability of lacosamide to produce euphoria-type adverse events in humans.

10 OVERDOSAGE

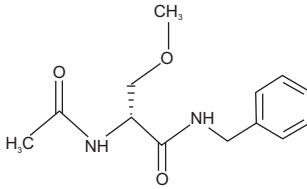
Events reported after an intake of more than 800 mg (twice the maximum recommended daily dosage) of lacosamide include dizziness, nausea, and seizures (generalized tonic-clonic seizures, status epilepticus). Cardiac conduction disorders, confusion, decreased level of consciousness, cardiogenic shock, cardiac arrest, and coma have also been observed. Fatalities have occurred following lacosamide overdoses of several grams.

There is no specific antidote for overdose with lacosamide. Standard decontamination procedures should be followed. General supportive care of the patient is indicated including monitoring of vital signs and observation of the clinical status of patient. A Certified Poison Control Center should be contacted for up to date information on the management of overdose with lacosamide.

Standard hemodialysis procedures result in significant clearance of lacosamide (reduction of systemic exposure by 50% in 4 hours). Hemodialysis may be indicated based on the patient's clinical state or in patients with significant renal impairment.

11 DESCRIPTION

The chemical name of lacosamide, the single (R)-enantiomer, is (R)-N-Benzy-2'-acetamido-3-methoxy propionamide. Lacosamide is a functionalized amino acid. Its molecular formula is C₁₄H₁₈N₂O₃ and its molecular weight is 250.28. The chemical structure is:



Lacosamide, USP is a white to light yellow powder. It is freely soluble in methanol, soluble in anhydrous ethanol, sparingly soluble in water, slightly soluble in acetonitrile practically insoluble in heptane.

11.1 Lacosamide Tablets, USP

Lacosamide tablets, USP for oral administration contain lacosamide and the following inactive ingredients: colloidal silicon dioxide, croscopollose, hydroxypropyl cellulose, hypromellose, lecithin, low substituted hydroxypropyl cellulose, magnesium stearate, microcrystalline cellulose, polyethylene glycol, polyvinyl alcohol, talc and titanium dioxide. In addition to the 50 mg tablets contain FD&C Blue #2 indigo carmine aluminum lake, iron oxide black and iron oxide red, 100 mg tablets contain iron oxide yellow, 150 mg tablets contain iron oxide black, iron oxide red and iron oxide yellow, 200 mg tablets contain FD&C Blue #2 indigo carmine aluminum lake.

USP Dissolution Test is pending.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

The precise mechanism by which lacosamide exerts its antiepileptic effects in humans remains to be fully elucidated. *In vitro* electrophysiological studies have shown that lacosamide selectively enhances slow inactivation of voltage-gated sodium channels, resulting in stabilization of hyperexcitable neuronal membranes and inhibition of repetitive neuronal firing.

12.2 Pharmacodynamics

A pharmacokinetic-pharmacodynamic (efficacy) analysis was performed based on the pooled data from the 3 efficacy trials for partial-onset seizures. Lacosamide exposure is correlated with the reduction in seizure frequency. However, doses above 400 mg/day do not appear to confer additional benefit in group analyses.

Cardiac Electrophysiology

Electrocardiographic effects of lacosamide were determined in a double-blind, randomized clinical pharmacology trial of 247 healthy subjects. Chronic oral doses of 400 and 800 mg/day were compared with placebo and a positive control (400 mg mexiletine). Lacosamide did not prolong QTc interval and did not have a dose-related or clinically important effect on QRS duration. Lacosamide produced a small, dose-related increase in mean PR interval. At steady state, the time of the maximum observed mean PR interval corresponded with T_{max}. The placebo-subtracted maximum increase in PR interval was 7.3 ms for the 400 mg/day group and 11.5 ms for the 800 mg/day group. For patients who participated in the controlled trials, the placebo-subtracted mean maximum increase in PR interval for a 400 mg/day lacosamide dose was 3.1 ms in patients with partial-onset seizures and 5.4 ms for patients with diabetic neuropathy.

12.3 Pharmacokinetics

The pharmacokinetics of lacosamide have been studied in healthy adult subjects (age range 18 to 87), adults with partial-onset seizures, adults with diabetic neuropathy, and subjects with renal and hepatic impairment.

The pharmacokinetics of lacosamide are similar in healthy subjects, patients with partial-onset seizures, and patients with primary generalized tonic-clonic seizures.

Lacosamide is completely absorbed after oral administration with negligible first-pass effect with a high absolute bioavailability of approximately 100%. The maximum lacosamide plasma concentrations occur approximately 1 to 4 hours post-dose after oral dosing, and elimination half-life is approximately 13 hours. Steady state plasma concentrations are achieved after 3 days of twice daily repeated administration. Pharmacokinetics of lacosamide are dose proportional (100 to 800 mg) and time invariant, with low inter- and intra-subject variability. Compared to lacosamide the major metabolite, O-desmethyl lacosamide, has a longer T_{max} (0.5 to 12 hours) and elimination half-life (15 to 23 hours).

Absorption and Bioavailability

Lacosamide is completely absorbed after oral administration. The oral bioavailability of lacosamide tablets is approximately 100%. Food does not affect the rate and extent of absorption.

After intravenous administration, C_{max} is reached at the end of infusion. The 30- and 60-minute intravenous infusions are bioequivalent to the oral tablet. For the 15-minute intravenous infusion, bioequivalence was met for AUC₀₋₃₀, but not for C_{max}. The point estimate of C_{max} was 20% higher than C_{max} for oral tablet and the 90% CI for C_{max} exceeded the upper boundary of the bioequivalence range.

In a trial comparing the oral tablet with an oral solution containing 10 mg/mL lacosamide, bioequivalence between both formulations was shown.

A single loading dose of 200 mg approximates steady-state concentrations comparable to the 100 mg twice daily oral administration.

Distribution

The volume of distribution is approximately 0.6 L/kg and thus close to the volume of total body water. Lacosamide is less than 15% bound to plasma proteins.

Metabolism and Elimination

Lacosamide is primarily eliminated from the systemic circulation by renal excretion and biotransformation.

After oral administration of 100 mg [¹⁴C] lacosamide approximately 95% of radioactivity administered was recovered in the urine and less than 0.5% in the feces. The major compounds excreted were unchanged lacosamide (approximately 40% of the dose), its O-desmethyl metabolite (approximately 30%), and a structurally unknown polar fraction (~20%). The plasma exposure of the major human metabolite, O-desmethyl lacosamide, is approximately 10% of that of lacosamide. This metabolite has no known pharmacological activity.

The CYP isoforms mainly responsible for the formation of the major metabolite (O-desmethyl) are CYP3A4, CYP2C8, and CYP2C19. The elimination half-life of the unchanged drug is approximately 13 hours and is not altered by different doses, multiple dosing or intravenous administration.

There is no meaningful re-conversion of lacosamide.

Specific Populations

Renal Impairment

Lacosamide and its major metabolite are eliminated from the systemic circulation primarily by renal excretion.

The AUC of lacosamide was increased approximately 25% in mild (CL_{CR} 50 to 80 mL/min) and moderately (CL_{CR} 30 to 50 mL/min) and 60% in severely (CL_{CR} < 30 mL/min) renally impaired patients compared to subjects with normal renal function (CL_{CR} > 80 mL/min), whereas C_{max} was unaffected. Lacosamide is effectively removed from plasma by hemodialysis. Following a 4-hour hemodialysis treatment, AUC of lacosamide is reduced by approximately 50% (see *Dosage and Administration* (2.3)).

Hepatic Impairment

Lacosamide undergoes metabolism. Subjects with moderate hepatic impairment (Child-Pugh B) showed higher plasma concentrations of lacosamide (approximately 50 to 60% higher AUC) compared to healthy subjects. The pharmacokinetics of lacosamide have not been evaluated in severe hepatic impairment (see *Dosage and Administration* (2.4)).

Pediatric Patients (4 to less than 17 years of age)

The pediatric pharmacokinetic profile of lacosamide was determined in a population pharmacokinetic analysis using sparse plasma concentration data obtained in two open-label, 78 pediatric patients with epilepsy aged 4 years to less than 17 years who received oral solution or oral tablet formulations.

A weight-based dosing regimen is necessary to achieve lacosamide exposures in pediatric patients 4 years to less than 17 years of age similar to those observed in adults treated at effective doses of lacosamide (see *Dosage and Administration* (2.1)). For patients weighing 11 kg, 28.9 kg (the mean population body weight), and 70 kg, the typical plasma half-life (t_{1/2}) is 7.4 hours, 10.6 hours, and 14.8 hours, respectively. Steady state plasma concentrations are achieved after 3 days of twice daily repeated administration.

The pharmacokinetics of lacosamide in pediatric patients are similar when used as monotherapy or as adjunctive therapy for the treatment of partial-onset seizures.

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Geriatric Patients

In the elderly (> 65 years), dose and body-weight normalized AUC and C_{max} is about 20% increased compared to young subjects (18 to 64 years). This may be related to body weight and decreased renal function in elderly subjects.

Gender

Lacosamide clinical trials indicate that gender does not have a clinically relevant influence on the pharmacokinetics of lacosamide.

Race

There are no clinically relevant differences in the pharmacokinetics of lacosamide between Asian, Black, and Caucasian subjects.

CYP2C19 Polymorphism

There are clinically relevant differences in the pharmacokinetics of lacosamide between CYP2C19 poor metabolizers and extensive metabolizers. Results from a trial in poor metabolizers (PM) (N = 4) and extensive metabolizers (EM) (N = 8) of cytochrome P450 (CYP) 2C19 showed that lacosamide plasma concentrations were similar in PMs and EMs, but plasma concentrations and the amount excreted into urine of the O-desmethyl metabolite were about 70% reduced in PMs compared to EMs.

Drug Interactions

In Vitro Assessment of Drug Interactions

In vitro metabolism studies indicate that lacosamide does not induce the enzyme activity of drug-metabolizing cytochrome P450 isoforms CYP1A2, 2B6, 2C8, 2C9, 2C19 and 3A4. Lacosamide did not inhibit CYP 1A1, 1A2, 2A6, 2B6, 2C8, 2D6, 2E1, 3A/5 at plasma concentrations observed in clinical studies.

In vitro data suggest that lacosamide has the potential to inhibit CYP2C19 at therapeutic concentrations. However, *in vivo* study with omeprazole did not show an inhibitory effect on omeprazole pharmacokinetics.

Lacosamide was not a substrate or inhibitor for P-glycoprotein.

Lacosamide is a substrate of CYP3A4, CYP2C8, and CYP2C19. Patients with renal or hepatic impairment who are taking strong inhibitors of CYP3A4 and CYP2C8 may have increased exposure to lacosamide.

Since < 15% of lacosamide is bound to plasma proteins, a clinically relevant interaction with other drugs through competition for protein binding sites is unlikely.

In Vivo Assessment of Drug Interactions

Drug interaction studies with AEDs

- Effect of lacosamide on concomitant AEDs
 - Lacosamide 400 mg/day had no influence on the pharmacokinetics of 800 mg/day valproic acid and 400 mg/day carbamazepine in healthy subjects.
 - The placebo-controlled clinical studies in patients with partial-onset seizures showed that steady state plasma concentrations of levetiracetam, carbamazepine, carbamazepine epoxide, lamotrigine, topiramate, oxcarbazepine monohydrate derivative (MHD), phenytoin, valproic acid, phenobarbital, gabapentin, clobazepam, and zonisamide were not affected by concomitant intake of lacosamide at any dose.

Effect of concomitant AEDs on lacosamide

Drug-drug interaction studies in healthy subjects showed that 800 mg/day valproic acid had no influence on the pharmacokinetics of 400 mg/day lacosamide. Likewise, 400 mg/day carbamazepine had no influence on the pharmacokinetics of lacosamide in a healthy subject study. Population pharmacokinetics results in patients with partial-onset seizures showed small reductions (15% to 20% lower) in lacosamide plasma concentrations when lacosamide were coadministered with carbamazepine, phenobarbital or phenytoin.

Drug-drug interaction studies with other drugs

- Digoxin
 - There was no effect of lacosamide (400 mg/day) on the pharmacokinetics of digoxin (0.5 mg once daily) in a study in healthy subjects.
- Metformin
 - There were no clinically relevant changes in metformin levels following coadministration of lacosamide (400 mg/day).
- Omeprazole
 - Omeprazole is a CYP2C19 substrate and inhibitor. There was no effect of lacosamide (800 mg/day) on the pharmacokinetics of omeprazole (40 mg single dose) in healthy subjects. The data indicated that lacosamide had little to no inhibitory or inducing effect on CYP2C19. Omeprazole at a dose of 40 mg once daily had no effect on the pharmacokinetics of lacosamide (300 mg single dose). However, plasma levels of the O-desmethyl metabolite were reduced about 60% in the presence of omeprazole.
- Midazolam
 - Midazolam is a 3A4 substrate. There was no effect of lacosamide (200 mg single dose or repeat doses of 400 mg/day given as 200 mg BID) on the pharmacokinetics of midazolam (single dose, 7.5 mg), indicating no inhibitory or inducing effects on CYP3A4.
- Oral Contraceptives
 - There was no influence of lacosamide (400 mg/day) on the pharmacodynamics and pharmacokinetics of an oral contraceptive containing 0.03 mg ethinylestradiol and 0.15 mg levonorgestrel in healthy subjects, except that a 20% increase in ethinylestradiol C_{max} was observed.
- Warfarin
 - Co-administration of lacosamide (400 mg/day) with warfarin (25 mg single dose) did not result in a clinically relevant change in the pharmacokinetic and pharmacodynamic effects of warfarin in a study in healthy male subjects.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

There was no evidence of drug-related carcinogenicity in mice or rats. Mice and rats received lacosamide once daily by oral administration for 104 weeks at doses producing plasma exposures (AUC) up to approximately 1 and 3 times, respectively, the plasma AUC in humans at the maximum recommended human dose (MRHD) of 400 mg/day.

Mutagenesis

Lacosamide was negative in an *in vitro* Ames test and an *in vivo* mouse micronucleus assay. Lacosamide induced a positive response in the *in vitro* mouse lymphoma assay.

Fertility: No adverse effects on male or female fertility or reproduction were observed in rats at doses producing plasma exposures (AUC) up to approximately 2 times the plasma AUC in humans at the MRHD.

14 CLINICAL STUDIES

14.1 Monotherapy in Patients with Partial Onset Seizures

The efficacy of lacosamide in monotherapy was established in a historical, multicenter, randomized trial that included 425 patients, age 16 to 70 years, with partial-onset seizures (Study 1). To be included in Study 1, patients were required to be taking stable doses of 1 or 2 marketed antiepileptic drugs. This treatment continued into the 8-week baseline period. To remain in the study, patients were required to have at least 2 partial-onset seizures per 28 days during the 8-week baseline period. The baseline period was followed by a 3-week titration period, during which lacosamide was added to the ongoing antiepileptic regimen. This was followed by a 16-week maintenance period (i.e., a 6-week withdrawal period for background antiepileptic drugs, followed by a 10-week monotherapy period). Patients were randomized 5 to 1 to receive lacosamide 400 mg/day or lacosamide 300 mg/day. Treatment assignments were blinded. Response to treatment was based upon a comparison of the number of patients who met exit criteria during the maintenance phase, compared to historical controls. The historical control consisted of a pooled analysis of the control groups from 8 studies of similar design, which utilized a sub-therapeutic dose of an antiepileptic drug. Statistical superiority to the historical control was considered to be demonstrated if the upper limit from a 2-sided 95% confidence interval for the percentage of patients meeting exit criteria in patients receiving lacosamide remained below the lower 95% prediction limit of 85% derived from the historical control data.

The exit criteria were one or more of the following: (1) doubling of average monthly seizure frequency during any 28 consecutive days, (2) doubling of highest consecutive 2-day seizure frequency, (3) occurrence of a single generalized tonic-clonic seizure, (4) clinically significant prolongation or worsening of overall seizure duration, frequency, type or pattern considered by the investigator to require trial discontinuation, (5) status epilepticus or new onset of a second seizure. The study population profile appeared comparable to that of the historical control population.

For the lacosamide 400 mg/day group, the estimate of the percentage of patients meeting at least 1 exit criterion was 30% (95% CI: 25%, 36%). The upper limit of the 2-sided 95% CI (36%) was below the threshold of 85% derived from the historical control data, meeting the pre-specified criteria for efficacy. Lacosamide 300 mg/day also met the pre-specified criteria for efficacy.

14.2 Adjunctive Therapy in Patients with Partial Onset Seizures

The efficacy of lacosamide as adjunctive therapy in partial-onset seizures was established in three 12-week, randomized, double-blind, placebo-controlled, multicenter trials in adult patients (Study 2, Study 3, and Study 4). Enrolled patients had partial-onset seizures with or without secondary generalization, and were not adequately controlled with 1 to 3 concomitant AEDs. During an 8-week baseline period, patients were required to have an average of ≥ 4 partial-onset seizures per 28 days with no seizure-free period exceeding 21 days. In these 3 trials, patients had a mean duration of epilepsy of 24 years and a median baseline seizure frequency ranging from 10 to 17 per 28 days. 84% of patients were taking 2 to 3 concomitant AEDs with or without concurrent vagal nerve stimulation.

Study 2 compared doses of lacosamide 200, 400, and 800 mg/day with placebo. Study 3 compared doses of lacosamide 400 and 800 mg/day with placebo. Study 4 compared doses of lacosamide 200 and 400 mg/day with placebo. In all three trials, following an 8-week baseline phase to establish baseline seizure frequency prior to randomization, patients were randomized and titrated to the randomized dose (a 1-step back titration of lacosamide 100 mg/day or placebo was allowed in the case of intolerable adverse events at the end of the titration phase). During the titration phase, in all 3 adjunctive therapy trials, treatment was initiated at 100 mg/day (50 mg twice daily), and increased in weekly increments of 100 mg/day to the target dose. The titration phase lasted 8 weeks in Study 2 and Study 3, and 4 weeks in Study 4. In all three trials, the titration phase was followed by a maintenance phase that lasted 12 weeks, during which patients were to remain on a stable dose of lacosamide.

A reduction in 28-day seizure frequency (baseline to maintenance phase), as compared to the placebo group, was the primary variable in all three adjunctive therapy trials. A statistically significant effect was observed with lacosamide treatment (Figure 1: at doses of 200 mg/day (Study 4), 400 mg/day (Studies 2, 3, and 4), and 800 mg/day (Study 2 and 3). Subsequent evaluations of lacosamide demonstrate no important differences in seizure control as a function of gender or race, although data on race was limited (about 10% of patients were non-Caucasian).

Figure 1 - Median Percent Reduction in Seizure Frequency per 28 days from Baseline to the Maintenance Phase by Dose

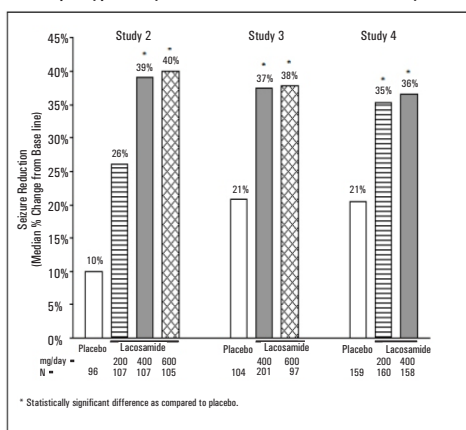
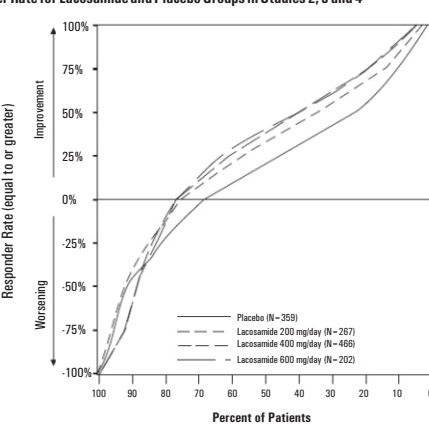


Figure 2 presents the percentage of patients (X-axis) with a percent reduction in partial seizure frequency (responder rate) from baseline to the maintenance phase at least as great as that represented on the Y-axis. A positive value on the Y-axis indicates an improvement from baseline (i.e., a decrease in seizure frequency), while a negative value indicates a worsening from baseline (i.e., an increase in seizure frequency). Thus, in a display of this type, a curve for an effective treatment is shifted to the left of the curve for placebo. The proportion of patients achieving any particular level of reduction in seizure frequency was consistently higher for the lacosamide groups, compared to the placebo group. For example, 40% of patients randomized to lacosamide (400 mg/day) experienced a 50% or greater reduction in seizure frequency, compared to 23% of patients randomized to placebo. Patients with increases in seizure frequency > 100% are represented on the Y-axis as equal to or greater than -100%.

Figure 2 - Proportion of Patients by Responder Rate for Lacosamide and Placebo Groups in Studies 2, 3, and 4



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16 HOW SUPPLIED/STORAGE AND HANDLING

Lacosamide Tablets USP, 50 mg are pink colored, oval shaped, biconvex, film-coated tablets, debossed with 'J' on one side and '12' on the other side. They are supplied as follows:

Bottle of 180 Tablets	NDC 31722-812-60
Bottle of 500 Tablets	NDC 31722-812-18
Blister pack of 100 (10 x 10s) Unit dose tablets (Alu-Alu)	NDC 31722-812-05
Lacosamide Tablets USP, 100 mg are yellow colored, oval shaped, biconvex, film-coated tablets, debossed with 'J' on one side and '13' on the other side.	
Bottle of 180 Tablets	NDC 31722-813-60
Bottle of 500 Tablets	NDC 31722-813-18
Blister pack of 100 (10 x 10s) Unit dose tablets (Alu-Alu)	NDC 31722-813-05
Lacosamide Tablets USP, 200 mg are blue colored, oval shaped, biconvex, film-coated tablets, debossed with 'J' on one side and '14' on the other side.	
Bottle of 180 Tablets	NDC 31722-814-60
Bottle of 500 Tablets	NDC 31722-814-18
Blister pack of 100 (10 x 10s) Unit dose tablets (Alu-Alu)	NDC 31722-814-05
Lacosamide Tablets USP, 200 mg are blue colored, oval shaped, biconvex, film-coated tablets, debossed with 'J' on one side and '15' on the other side.	
Bottle of 180 Tablets	NDC 31722-815-60
Bottle of 500 Tablets	NDC 31722-815-18
Blister pack of 100 (10 x 10s) Unit dose tablets (Alu-Alu)	NDC 31722-815-05
NDC 31722-815-32	

16.2 Storage and Handling

Store at 20° to 25°C (68° to 77°F) (see USP Controlled Room Temperature).

17 PATIENT COUNSELING INFORMATION

Advise the patient or caregiver to read the FDA-approved patient labeling (Medication Guide). The Medication Guide accompanies the product and can also be accessed by calling 1-866-495-1995.

Suicidal Thinking and Behavior

Patients, their caregivers, and families should be counseled that AEDs, including lacosamide 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)).

Dizziness and Ataxia

Patients should be counseled that lacosamide tablets may cause dizziness, double vision, abnormal coordination and balance, and somnolence. Patients taking lacosamide tablets should be advised not to drive, operate complex machinery, or engage in other hazardous activities until they have become accustomed to any such effects associated with lacosamide tablets (see *Warnings and Precautions* (5.2)).

Cardiac Rhythm and Conduction Abnormalities

Patients should be counseled that lacosamide tablets are associated with electrocardiographic changes that may predispose to irregular heart beat and syncope. Cardiac arrest has been reported. This risk is increased in patients with underlying cardiovascular disease, with heart conduction problems, or who are taking other medications that affect the heart. Patients should be made aware of and report cardiac signs or symptoms to their healthcare provider right away. Patients who develop syncope should lay down with raised legs and contact their health-care provider (see *Warnings and Precautions* (5.3)).

Drug Reaction with Eosinophilia and Systemic Symptoms (DRESS)/Multi-Organ Hypersensitivity

Patients should be aware that lacosamide tablets may cause serious hypersensitivity reactions affecting multiple organs such as the liver and kidney. Lacosamide tablets should be discontinued if a serious hypersensitivity reaction is suspected. Patients should also be instructed to report promptly to their physicians any symptoms of liver toxicity (e.g., fatigue, ja