LEVOCETIRIZINE DIHYDROCHLORIDE- levocetirizine dihydrochloride tablet
Northwind Health Company, LLC

HIGHLIGHTS OF PRESCRIBING INFORMATION
These highlights do not include all the information needed to use LEVOCETIRIZINE DIHYDROCHLORIDE tablets safely and effectively. See full prescribing information for LEVOCETIRIZINE DIHYDROCHLORIDE tablets.

LEVOCETIRIZINE DIHYDROCHLORIDE tablets, for oral use
Initial U.S. Approval: 1995

RECENT MAJOR CHANGES

Warnings and Precautions, Risk of New Onset Pruritus After Discontinuation of Levocetirizine dihydrochloride tablets (5.3)	07/2025

INDICATIONS AND USAGE

Levocetirizine dihydrochloride is a histamine H_1-receptor antagonist indicated for:

- The treatment of the uncomplicated skin manifestations of chronic idiopathic urticaria (1.2)

DOSAGE AND ADMINISTRATION

Chronic Idiopathic Urticaria (2.2)

- Adults and children 12 years of age and older: 5 mg once daily in the evening
- Children 6 to 11 years of age: 2.5 mg once daily in the evening
- Renal Impairment
  Adjust the dose in patients 12 years of age and older with decreased renal function (12.3)

DOSAGE FORMS AND STRENGTHS

- Immediate release breakable (functional scored) tablets, 5 mg (3)

CONTRAINDICATIONS

- Patients with a known hypersensitivity to levocetirizine or any of the ingredients of levocetirizine dihydrochloride tablets or to cetirizine (4.1)
- Patients with end-stage renal disease at less than 10 mL/min creatinine clearance or patients undergoing hemodialysis (4.2)
- Children 6 months to 11 years of age with renal impairment (4.3)

WARNINGS AND PRECAUTIONS

- Somnolence: Somnolence, fatigue, and asthenia have been reported with use of levocetirizine dihydrochloride tablets in some patients in clinical trials. Avoid engaging in hazardous occupations requiring complete mental alertness such as driving or operating machinery when taking levocetirizine dihydrochloride tablets. Avoid concurrent use of alcohol or other central nervous system depressants with levocetirizine dihydrochloride tablets. (5.1)
- Urinary Retention: Urinary retention has been reported with use of levocetirizine dihydrochloride tablets. Use with caution in patients with predisposing factors of urinary retention (e.g. spinal cord lesion, prostatic hyperplasia). Discontinue levocetirizine dihydrochloride tablets if urinary retention occurs. (5.2)
- Risk of New Onset Pruritus After Discontinuation of Levocetirizine dihydrochloride tablets: New onset pruritus within a few days after discontinuation of Levocetirizine dihydrochloride tablets has been reported, usually after long-term use (e.g., few months to years) of Levocetirizine dihydrochloride tablets. Symptoms may improve with restarting or tapering Levocetirizine dihydrochloride tablets (5.3).

ADVERSE REACTIONS

The most common adverse reactions (rate ≥2% and > placebo) were somnolence, nasopharyngitis, fatigue, dry mouth, and pharyngitis in subjects 12 years of age and older, and pyrexia, somnolence, cough, and epistaxis in children 6 to 12 years of age. In subjects 1 to 5 years of age, the most common adverse reactions (rate ≥2% and > placebo) were pyrexia, diarrhea, vomiting, and otitis media. In subjects 6 to 11 months of age, the most common adverse reactions (rate ≥3% and > placebo) were diarrhea and

constipation. (6.1).

To report SUSPECTED ADVERSE REACTIONS, contact ScieGen Pharmaceuticals, Inc. at 1-855-724-3436 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

USE IN SPECIFIC POPULATIONS

- Renal Impairment
  Because levocetirizine dihydrochloride is substantially excreted by the kidneys, the risk of adverse reactions to this drug may be greater in patients with impaired renal function. (8.6, 12.3)
- Pediatric Use
  Do not exceed the recommended dose of 2.5 mg once daily in children 6 to 11 years and 6 months to 5 years of age, respectively. Systemic exposure with these doses in respective pediatric age groups is comparable to that from a 5 mg once daily dose in adults. (12.3)

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 2/2026

FULL PRESCRIBING INFORMATION: CONTENTS*

* Sections or subsections omitted from the full prescribing information are not listed.

FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

1.2 Chronic Idiopathic Urticaria

Levocetirizine dihydrochloride tablets are indicated for the treatment of the uncomplicated skin manifestations of chronic idiopathic urticaria in adults and children 6 years of age and older.

2 DOSAGE AND ADMINISTRATION

Levocetirizine dihydrochloride tablets are available as 5 mg breakable (scored) tablets, allowing for the administration of 2.5 mg, if needed. Levocetirizine tablets can be taken without regard to food consumption.

2.2 Chronic Idiopathic Urticaria

Adults and Children 12 Years of Age and Older

The recommended dose of levocetirizine dihydrochloride tablet is 5 mg (1 tablet) once daily in the evening. Some patients may be adequately controlled by 2.5 mg (1/2 tablet) once daily in the evening.

Children 6 to 11 Years of Age

The recommended dose of levocetirizine dihydrochloride tablet is 2.5 mg (1/2 tablet) once daily in the evening. The 2.5 mg dose should not be exceeded because the systemic exposure with 5 mg is approximately twice that of adults *[see Clinical Pharmacology (12.3)].*

Dose Adjustment for Renal and Hepatic Impairment

In adults and children 12 years of age and older with:

- Mild renal impairment (creatinine clearance [CL_{CR}] = 50 to 80 mL/min): a dose of 2.5 mg once daily is recommended;

- Moderate renal impairment (CL_{CR}= 30 to 50 mL/min): a dose of 2.5 mg once every other day is recommended;
- Severe renal impairment (CL_{CR}= 10 to 30 mL/min): a dose of 2.5 mg twice weekly (administered once every 3 to 4 days) is recommended;
- End-stage renal disease patients (CL_{CR}<10 mL/min) and patients undergoing hemodialysis should not receive levocetirizine dihydrochloride tablets.

No dose adjustment is needed in patients with solely hepatic impairment. In patients with both hepatic impairment and renal impairment, adjustment of the dose is recommended.

3 DOSAGE FORMS AND STRENGTHS

Levocetirizine dihydrochloride tablets, USP 5 mg are white, oval, biconvex, film-coated functional scored tablets debossed with ”S” on the left side of bisect and “G” on the right side of bisect and other side “1” on the left side and “36” on the right side of the bisect.

4 CONTRAINDICATIONS

The use of levocetirizine dihydrochloride is contraindicated in:

4.1 Patients with Known Hypersensitivity

Patients with known hypersensitivity to levocetirizine or any of the ingredients of levocetirizine dihydrochloride tablets, or to cetirizine. Observed reactions range from urticaria to anaphylaxis *[see Adverse Reactions (6.2)].*

4.2 Patients with End-Stage Renal Disease

Patients with end-stage renal disease (CL_{CR}<10 mL/min) and patients undergoing hemodialysis

4.3 Pediatric Patients with Impaired Renal Function

Children 6 months to 11 years of age with impaired renal function

5 WARNINGS AND PRECAUTIONS

5.1 Somnolence

In clinical trials the occurrence of somnolence, fatigue, and asthenia has been reported in some patients under therapy with levocetirizine dihydrochloride. Patients should be cautioned against engaging in hazardous occupations requiring complete mental alertness, and motor coordination such as operating machinery or driving a motor vehicle after ingestion of levocetirizine dihydrochloride. Concurrent use of levocetirizine dihydrochloride with alcohol or other central nervous system depressants should be avoided because additional reductions in alertness and additional impairment of central nervous system performance may occur.

5.2 Urinary Retention

Urinary retention has been reported post marketing with levocetirizine dihydrochloride. Levocetirizine dihydrochloride should be used with caution in patients with predisposing factors of urinary retention (e.g. spinal cord lesion, prostatic hyperplasia) as levocetirizine dihydrochloride may increase the risk of urinary retention. Discontinue levocetirizine dihydrochloride if urinary retention occurs.

5.3 Risk of New Onset Pruritus After Discontinuation of Levocetirizine Dihydrochloride Tablets

Cases of pruritus after discontinuation of levocetirizine dihydrochloride tablets have been reported in the postmarketing setting in patients where pruritus was not present before initiation of levocetirizine dihydrochloride tablets. Pruritus occurred within a few days of discontinuing levocetirizine dihydrochloride tablets among patients who used levocetirizine dihydrochloride tablets long-term (e.g., few months to years). Reported cases of pruritus were infrequent, but some were serious with patients experiencing widespread severe pruritus *[see Adverse Reactions (6.2)]* . If pruritus occurs after discontinuation of levocetirizine dihydrochloride tablets, symptoms may improve with restarting or tapering levocetirizine dihydrochloride tablets.

6 ADVERSE REACTIONS

The following clinically significant adverse reactions are described elsewhere in the labeling:

- Somnolence *[see Warnings and Precautions (5.1)]*
- Urinary Retention *[see Warnings and Precautions (5.2)]*
- Risk of New Onset Pruritus After Discontinuation of Levocetirizine dihydrochloride tablets *[see Warnings and Precautions (5.3)]*

6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

The safety data described below reflect exposure to levocetirizine dihydrochloride in 2,708 patients with allergic rhinitis or chronic idiopathic urticaria in 14 controlled clinical trials of 1 week to 6 months duration.

The short-term (exposure up to 6 weeks) safety data for adults and adolescents are based upon eight clinical trials in which 1,896 patients (825 males and 1,071 females aged 12 years and older) were treated with levocetirizine dihydrochloride 2.5 mg, 5 mg, or 10 mg once daily in the evening.

The short-term safety data from pediatric patients are based upon two clinical trials in which 243 children with allergic rhinitis (162 males and 81 females 6 to 12 years of age) were treated with levocetirizine dihydrochloride 5 mg once daily for 4 to 6 weeks, one clinical trial in which 114 children (65 males and 49 females 1 to 5 years of age) with allergic rhinitis or chronic idiopathic urticaria were treated with levocetirizine dihydrochloride 1.25 mg twice daily for 2 weeks, and one clinical trial in which 45 children (28 males and 17 females 6 to 11 months of age) with symptoms of allergic rhinitis or chronic urticaria were treated with levocetirizine dihydrochloride 1.25 mg once daily for 2 weeks.

The long-term (exposure of 4 or 6 months) safety data in adults and adolescents are based upon two clinical trials in which 428 patients (190 males and 238 females) with allergic rhinitis were exposed to treatment with levocetirizine dihydrochloride 5 mg once daily. Long term safety data are also available from an 18-month trial in 255 levocetirizine dihydrochloride -treated subjects 12 to 24 months of age.

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trial of another drug and may not reflect the rates observed in practice.

Adults and Adolescents 12 years of Age and Older

In studies up to 6 weeks in duration, the mean age of the adult and adolescent patients was 32 years, 44% of the patients were men and 56% were women, and the large majority (more than 90%) was Caucasian.

In these trials 43% and 42% of the subjects in the levocetirizine dihydrochloride 2.5 mg and 5 mg groups, respectively, had at least one adverse event compared to 43% in the placebo group.

In placebo-controlled trials of 1 to 6 weeks in duration, the most common adverse reactions were somnolence, nasopharyngitis, fatigue, dry mouth, and pharyngitis, and most were mild to moderate in intensity. Somnolence with levocetirizine dihydrochloride showed dose ordering between tested doses of 2.5 mg, 5 mg and 10 mg and was the most common adverse reaction leading to discontinuation (0.5%).

Table 1 lists adverse reactions that were reported in greater than or equal to 2% of subjects aged 12 years and older exposed to levocetirizine dihydrochloride 2.5 mg or 5 mg in eight placebo-controlled clinical trials and that were more common with levocetirizine dihydrochloride than placebo.

Table 1: Adverse Reactions Reported in ≥2%* of Subjects Aged 12 Years and Older Exposed to Levocetirizine Dihydrochloride 2.5 mg or 5 mg Once Daily in Placebo-Controlled Clinical Trials 1 to 6 Weeks in Duration

Adverse Reactions	**Levocetirizine dihydrochloride 2.5 mg (n = 421)**	**Levocetirizine dihydrochloride 5 mg (n = 1,070)**	**Placebo (n = 912)**
Somnolence	22 (5%)	61 (6%)	16 (2%)
Nasopharyngitis	25 (6%)	40 (4%)	28 (3%)
Fatigue	5 (1%)	46 (4%)	20 (2%)
Dry Mouth	12 (3%)	26 (2%)	11 (1%)
Pharyngitis	10 (2%)	12 (1%)	9 (1%)

*Rounded to the closest unit percentage

Additional adverse reactions of medical significance observed at a higher incidence than in placebo in adults and adolescents aged 12 years and older exposed to levocetirizine dihydrochloride are syncope (0.2%) and weight increased (0.5%).

Pediatric Patients 6 to 12 Years of Age

A total of 243 pediatric patients 6 to 12 years of age received levocetirizine dihydrochloride 5 mg once daily in two short-term placebo controlled double-blind trials. The mean age of the patients was 9.8 years, 79 (32%) were 6 to 8 years of age, and 50% were Caucasian. Table 2 lists adverse reactions that were reported in greater than or equal to 2% of subjects aged 6 to 12 years exposed to levocetirizine dihydrochloride 5 mg in placebo-controlled clinical trials and that were more common with levocetirizine dihydrochloride than placebo.

Table 2: Adverse Reactions Reported in ≥2%* of Subjects Aged 6 to 12 Years Exposed to Levocetirizine Dihydrochloride 5 mg Once Daily in Placebo-Controlled Clinical Trials 4 and 6 Weeks in Duration

Adverse Reactions	Levocetirizine dihydrochloride 5 mg (n = 243)	Placebo (n = 240)
Pyrexia	10 (4%)	5 (2%)
Cough	8 (3%)	2 (<1%)
Somnolence	7 (3%)	1 (<1%)
Epistaxis	6 (2%)	1 (<1%)

*Rounded to the closest unit percentage

Pediatric Patients 1 to 5 Years of Age

A total of 114 pediatric patients 1 to 5 years of age received levocetirizine dihydrochloride 1.25 mg twice daily in a two week placebo-controlled double-blind safety trial. The mean age of the patients was 3.8 years, 32% were 1 to 2 years of age, 71% were Caucasian and 18% were Black. Table 3 lists adverse reactions that were reported in greater than or equal to 2% of subjects aged 1 to 5 years exposed to levocetirizine dihydrochloride 1.25 mg twice daily in the placebo-controlled safety trial and that were more common with levocetirizine dihydrochloride than placebo.

Table 3: Adverse Reactions Reported in ≥2%* of Subjects Aged 1 to 5 Years Exposed to levocetirizine dihydrochloride 1.25 mg Twice Daily in a 2-Week Placebo-Controlled Clinical Trial

Adverse Reactions	Levocetirizine dihydrochloride 1.25 mg Twice Daily (n = 114)	Placebo (n = 59)
Pyrexia	5 (4%)	1 (2%)
Diarrhea	4 (4%)	2 (3%)
Vomiting	4 (4%)	2 (3%)
Otitis Media	3 (3%)	0 (0%)

*Rounded to the closest unit percentage

Pediatric Patients 6 to 11 Months of Age

A total of 45 pediatric patients 6 to 11 months of age received levocetirizine dihydrochloride 1.25 mg once daily in a two week placebo-controlled double-blind safety trial. The mean age of the patients was 9 months, 51% were Caucasian and 31% were Black. Adverse reactions that were reported in more than 1 subject (i.e. greater than or equal to 3% of subjects) aged 6 to 11 months exposed to levocetirizine dihydrochloride 1.25 mg once daily in the placebo-controlled safety trial and that were more common with levocetirizine dihydrochloride than placebo included diarrhea and constipation which were reported in 6 (13%) and 1 (4%) and 3 (7%) and 1 (4%) children in the levocetirizine dihydrochloride and placebo-treated groups, respectively.

Long-Term Clinical Trials Experience

In two controlled clinical trials, 428 patients (190 males and 238 females) aged 12 years and older were treated with levocetirizine dihydrochloride 5 mg once daily for 4 or 6 months. The patient characteristics and the safety profile were similar to that seen in the short-term studies. Ten (2.3%) patients treated with levocetirizine dihydrochloride discontinued because of somnolence, fatigue or asthenia compared to 2 (<1%) in the placebo group.

There are no long term clinical trials in children below 12 years of age with allergic rhinitis or chronic idiopathic urticaria.

Laboratory Test Abnormalities

Elevations of blood bilirubin and transaminases were reported in <1% of patients in the clinical trials. The elevations were transient and did not lead to discontinuation in any patient.

6.2 Postmarketing Experience

In addition to the adverse reactions reported during clinical trials and listed above, the following adverse reactions have also been identified during postapproval use of levocetirizine dihydrochloride. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

- *Cardiac disorders:*palpitations, tachycardia
- *Ear and labyrinth disorders:*vertigo
- *Eye disorders:*blurred vision, visual disturbances
- *Gastrointestinal disorders:*nausea, vomiting
- *General disorders and administration site conditions:*edema
- *Hepatobiliary disorders:*hepatitis
- *Immune system disorders:*anaphylaxis and hypersensitivity
- *Metabolism and nutrition disorders:*increased appetite
- *Musculoskeletal, connective tissues, and bone disorders:*arthralgia, myalgia
- *Nervous system disorders:*dizziness, dysgeusia, febrile seizure, movement disorders (including dystonia and oculogyric crisis), paraesthesia, seizure (reported in subjects with and without a known seizure disorder), tremor
- *Psychiatric disorders:*aggression and agitation, depression, hallucinations, insomnia,

nightmare, suicidal ideation
- *Renal and urinary disorders:* dysuria, urinary retention
- *Respiratory, thoracic, and mediastinal disorders:* dyspnea
- *Skin and subcutaneous tissue disorders:* angioedema, fixed drug eruption, pruritus, rash, urticaria, and new onset pruritus within a few days after discontinuation of levocetirizine dihydrochloride tablets, usually after long-term use (e.g., few months to years) of levocetirizine dihydrochloride tablets.

Besides these reactions reported under treatment with levocetirizine dihydrochloride, other potentially severe adverse reactions have been reported from the postmarketing experience with cetirizine. Since levocetirizine is the principal pharmacologically active component of cetirizine, one should take into account the fact that the following adverse reactions could also potentially occur under treatment with levocetirizine dihydrochloride.
- *Cardiac disorders:* severe hypotension
- *Gastrointestinal disorders:* cholestasis
- *Nervous system disorders:* extrapyramidal symptoms, myoclonus, orofacial dyskinesia, tic
- *Pregnancy, puerperium and perinatal conditions:* stillbirth
- *Renal and urinary disorders:* glomerulonephritis
- *Skin and subcutaneous tissue disorders:* acute generalized exanthematous pustulosis (AGEP).

7 DRUG INTERACTIONS

In vitro data indicate that levocetirizine is unlikely to produce pharmacokinetic interactions through inhibition or induction of liver drug-metabolizing enzymes. No *in vivo* drug-drug interaction studies have been performed with levocetirizine. Drug interaction studies have been performed with racemic cetirizine.

7.1 Antipyrine, Azithromycin, Cimetidine, Erythromycin, Ketoconazole, Theophylline, and Pseudoephedrine

Pharmacokinetic interaction studies performed with racemic cetirizine demonstrated that cetirizine did not interact with antipyrine, pseudoephedrine, erythromycin, azithromycin, ketoconazole, and cimetidine. There was a small decrease (~16%) in the clearance of cetirizine caused by a 400 mg dose of theophylline. It is possible that higher theophylline doses could have a greater effect.

7.2 Ritonavir

Ritonavir increased the plasma AUC of cetirizine by about 42% accompanied by an increase in half-life (53%) and a decrease in clearance (29%) of cetirizine. The disposition of ritonavir was not altered by concomitant cetirizine administration.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Available data from published literature and postmarketing experience with levocetirizine use in pregnant women are insufficient to identify any drug-associated risks of miscarriage, birth defects, or adverse maternal or fetal outcomes. In animal reproduction studies, there was no evidence of fetal harm with administration of levocetirizine by the oral route to pregnant rats and rabbits, during the period of organogenesis, at doses up to 390 times and 470 times, respectively, the maximum recommended human dose (MRHD) in adults. In rats treated during late gestation and the lactation period, cetirizine had no effects on pup development at oral doses up to approximately 60 times the MRHD in adults. In mice treated during late gestation and the lactation period, cetirizine administered by the oral route to the dams had no effects on pup development at a dose that was approximately 25 times the MRHD in adults; however, lower pup weight gain during lactation was observed at a dose that was 95 times the MRHD in adults *[see Data].*

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated background risks of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Data

Animal Data

In embryo-fetal development studies, pregnant rats received daily doses of levocetirizine up to 200 mg/kg/day from gestation days 6 to 15 and pregnant rabbits received daily doses of levocetirizine up to 120 mg/kg/day from gestation days 6 to 18. Levocetirizine produced no evidence of fetal harm in rats and rabbits at doses up to 390 and 470 times the MRHD, respectively (on a mg/m ^{2}basis with maternal oral doses of 200 mg/kg/day and 120 mg/kg/day in rats and rabbits, respectively).

No prenatal and postnatal development (PPND) studies in animals have been conducted with levocetirizine. In a PPND study conducted in mice, cetirizine was administered at oral doses up to 96 mg/kg/day from gestation day 15 through lactation day 21. Cetirizine lowered pup body weight gain during lactation at an oral dose in dams that was approximately 95 times the MRHD (on a mg/m ^{2}basis with a maternal oral dose of 96 mg/kg/day); however, there were no effects on pup weight gain at an oral dose in dams that was approximately 25 times the MRHD (on a mg/m ^{2}basis with a maternal oral dose of 24 mg/kg/day). In a PPND study conducted in rats, cetirizine was administered at oral doses up to 180 mg/kg/day from gestation day 17 to lactationday 22. Cetirizine did not have any adverse effects on rat dams or offspring development at doses up to approximately 60 times the MRHD (on a mg/m ^{2}basis with a maternal oral dose of 30 mg/kg/day). Cetirizine caused excessive maternal toxicity at an oral dose in dams that was approximately 350 times the MRHD (on a mg/m ^{2}basis with a maternal oral dose of 180 mg/kg/day).

8.2 Lactation

Risk Summary

There are no data on the presence of levocetirizine in human milk, the effects on the breastfed infant, or the effects on milk production. However, cetirizine has been reported to be present in human breast milk. In mice and beagle dogs, studies indicated

that cetirizine was excreted in milk *[see Data]*. When a drug is present in animal milk, it is likely the drug will be present in human milk. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for levocetirizine dihydrochloride and any potential adverse effects on the breastfed child from levocetirizine dihydrochloride or from the underlying maternal condition.

Data

Animal Data

Cetirizine was detected in the milk of mice. No adverse developmental effects on pups were seen when cetirizine was administered orally to dams during lactation at a dose that was approximately 25 times the MRHD in adults *[see Use in Specific Populations (8.1)].* Studies in beagle dogs indicated that approximately 3% of the dose of cetirizine was excreted in milk. The concentration of drug in animal milk does not necessarily predict the concentration of drug in human milk.

8.4 Pediatric Use

The recommended dose of levocetirizine dihydrochloride for the treatment of the uncomplicated skin manifestations of chronic idiopathic urticaria in patients 6 months to 17 years of age is based on extrapolation of efficacy from adults 18 years of age and older *[see Clinical Studies (14)].*

The recommended dose of levocetirizine dihydrochloride in patients 6 months to 2 years of age for the treatment of the symptoms of perennial allergic rhinitis and 6 months to 11 years of age with chronic idiopathic urticaria is based on cross-study comparisons of the systemic exposure of levocetirizine dihydrochloride in adults and pediatric patients and on the safety profile of levocetirizine dihydrochloride in both adult and pediatric patients at doses equal to or higher than the recommended dose for patients 6 months to 11 years of age.

The safety of levocetirizine dihydrochloride 5 mg once daily was evaluated in 243 pediatric patients 6 to 12 years of age in two placebo-controlled clinical trials lasting 4 and 6 weeks. The safety of levocetirizine dihydrochloride 1.25 mg twice daily was evaluated in one 2-week clinical trial in 114 pediatric patients 1 to 5 years of age and the safety of levocetirizine dihydrochloride 1.25 mg once daily was evaluated in one 2-week clinical trial in 45 pediatric patients 6 to 11 months of age *[see Adverse Reactions (6.1)].*

The effectiveness of levocetirizine dihydrochloride 1.25 mg once daily (6 months to 5 years of age) and 2.5 mg once daily (6 to 11 years of age) for the treatment of the symptoms of perennial allergic rhinitis and chronic idiopathic urticaria is supported by the extrapolation of demonstrated efficacy of levocetirizine dihydrochloride 5 mg once daily in patients 12 years of age and older based on the pharmacokinetic comparison between adults and children.

Cross-study comparisons indicate that administration of a 5 mg dose of levocetirizine dihydrochloride to 6 to 12 year old pediatric patients resulted in about 2-fold the systemic exposure (AUC) observed when 5 mg of levocetirizine dihydrochloride was administered to healthy adults. Therefore, in children 6 to 11 years of age the recommended dose of 2.5 mg once daily should not be exceeded. In a population pharmacokinetics study the administration of 1.25 mg once daily in children 6 months to 5 years of age resulted in systemic exposure comparable to 5 mg once daily in adults. *[see Dosage and Administration (2.2), Clinical Studies (14), and Clinical Pharmacology*

(12.3)].

8.5 Geriatric Use

Clinical studies of levocetirizine dihydrochloride for each approved indication did not include sufficient numbers of patients aged 65 years and older to determine whether they respond differently than younger patients. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range reflecting the greater frequency of decreased hepatic, renal, or cardiac function and of concomitant disease or other drug therapy.

8.6 Renal Impairment

Levocetirizine dihydrochloride is known to be substantially excreted by the kidneys and the risk of adverse reactions to this drug may be greater in patients with impaired renal function. Because elderly patients are more likely to have decreased renal function, care should be taken in dose selection and it may be useful to monitor renal function *[see Dosage and Administration (2)and Clinical Pharmacology (12.3)].*

8.7 Hepatic Impairment

As levocetirizine is mainly excreted unchanged by the kidneys, it is unlikely that the clearance of levocetirizine is significantly decreased in patients with solely hepatic impairment *[see Clinical Pharmacology (12.3)].*

10 OVERDOSAGE

Overdosage has been reported with levocetirizine dihydrochloride.

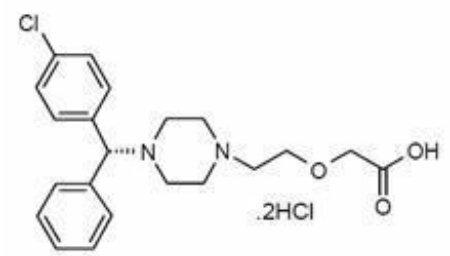
Symptoms of overdose may include drowsiness in adults. In children agitation and restlessness may initially occur, followed by drowsiness. There is no known specific antidote to levocetirizine dihydrochloride. Should overdose occur, symptomatic or supportive treatment is recommended. Levocetirizine dihydrochloride is not effectively removed by dialysis, and dialysis will be ineffective unless a dialyzable agent has been concomitantly ingested.

The acute maximal non-lethal oral dose of levocetirizine was 240 mg/kg in mice (approximately 190 times the maximum recommended daily oral dose in adults, approximately 230 times the maximum recommended daily oral dose in children 6 to 11 years of age, and approximately 180 times the maximum recommended daily oral dose in children 6 months to 5 years of age on a mg/m ^{2}basis). In rats the maximal non-lethal oral dose was 240 mg/kg (approximately 390 times the maximum recommended daily oral dose in adults, approximately 460 times the maximum recommended daily oral dose in children 6 to 11 years of age, and approximately 370 times the maximum recommended daily oral dose in children 6 months to 5 years of age on a mg/m ^{2}basis).

11 DESCRIPTION

Levocetirizine dihydrochloride, USP the active component of levocetirizine dihydrochloride tablets, USP is an orally active H $_1$-receptor antagonist. The chemical name is (R)-[2-[4-[(4-chlorophenyl) phenylmethyl]-1-piperazinyl] ethoxy] acetic acid

dihydrochloride. Levocetirizine dihydrochloride is the R enantiomer of cetirizine hydrochloride, a racemic compound with antihistaminic properties. The empirical formula of levocetirizine dihydrochloride is $C_{21}H_{25}ClN_2O_3 \bullet 2HCl$. The molecular weight is 461.82 and the chemical structure is shown below:



Levocetirizine Dihydrochloride, USP is a white, or almost white powder and is freely soluble in water, practically insoluble in acetone and methylene chloride.

Levocetirizine dihydrochloride tablets, USP 5 mg are formulated as immediate release, white, film-coated, oval, scored tablets for oral administration. The tablets are debossed with “S” on the left side of bisect and “G” on the right side of the bisect and other side “1” on the left side and “36” on the right side of the bisect. Inactive ingredients are: microcrystalline cellulose, lactose monohydrate, colloidal silicon dioxide, and magnesium stearate. The film coating contains hypromellose, titanium dioxide, and polyethylene glycol.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Levocetirizine, the active enantiomer of cetirizine, is an antihistamine; its principal effects are mediated via selective inhibition of H_1 receptors. The antihistaminic activity of levocetirizine has been documented in a variety of animal and human models. *In vitro* binding studies revealed that levocetirizine has an affinity for the human H_1-receptor 2-fold higher than that of cetirizine (Ki = 3 nmol/L vs. 6 nmol/L, respectively). The clinical relevance of this finding is unknown.

12.2 Pharmacodynamics

Studies in adult healthy subjects showed that levocetirizine at doses of 2.5 mg and 5 mg inhibited the skin wheal and flare caused by the intradermal injection of histamine. In contrast, dextrocetirizine exhibited no clear change in the inhibition of the wheal and flare reaction.

Levocetirizine at a dose of 5 mg inhibited the wheal and flare caused by intradermal injection of histamine in 14 pediatric subjects (aged 6 to 11 years) and the activity persisted for at least 24 hours. The clinical relevance of histamine wheal skin testing is unknown.

A QT/QTc study using a single dose of 30 mg of levocetirizine did not demonstrate an effect on the QTc interval. While a single dose of levocetirizine had no effect, the effects of levocetirizine may not be at steady state following single dose. The effect of

levocetirizine on the QTc interval following multiple dose administration is unknown. Levocetirizine is not expected to have QT/QTc effects because of the results of QTc studies with cetirizine and the long postmarketing history of cetirizine without reports of QT prolongation.

12.3 Pharmacokinetics

Levocetirizine exhibited linear pharmacokinetics over the therapeutic dose range in adult healthy subjects.

Absorption

Levocetirizine is rapidly and extensively absorbed following oral administration. In adults, peak plasma concentrations are achieved 0.9 hour after administration of the oral tablet. The accumulation ratio following daily oral administration is 1.12 with steady state achieved after 2 days. Peak concentrations are typically 270 ng/mL and 308 ng/mL following a single and a repeated 5 mg once daily dose, respectively. Food had no effect on the extent of exposure (AUC) of the levocetirizine tablet, but $T_{max}$was delayed by about 1.25 hours and $C_{max}$was decreased by about 36% after administration with a high fat meal; therefore, levocetirizine can be administered with or without food.

A dose of 5 mg (10 mL) of levocetirizine dihydrochloride oral solution is bioequivalent to a 5 mg dose of levocetirizine dihydrochloride tablets. Following oral administration of a 5 mg dose of levocetirizine dihydrochloride oral solution to healthy adult subjects, the mean peak plasma concentrations were achieved approximately 0.5 hour post dose.

Distribution

The mean plasma protein binding of levocetirizine *in vitro*ranged from 91 to 92%, independent of concentration in the range of 90 ng/mL to 5,000 ng/mL, which includes the therapeutic plasma levels observed. Following oral dosing, the average apparent volume of distribution is approximately 0.4 L/kg, representative of distribution in total body water.

Metabolism

The extent of metabolism of levocetirizine in humans is less than 14% of the dose and therefore differences resulting from genetic polymorphism or concomitant intake of hepatic drug metabolizing enzyme inhibitors are expected to be negligible. Metabolic pathways include aromatic oxidation, N- and O-dealkylation, and taurine conjugation. Dealkylation pathways are primarily mediated by CYP3A4 while aromatic oxidation involves multiple and/or unidentified CYP isoforms.

Elimination

The plasma half-life in adult healthy subjects was about 8 to 9 hours after administration of oral tablets and oral solution, and the mean oral total body clearance for levocetirizine was approximately 0.63 mL/kg/min. The major route of excretion of levocetirizine and its metabolites is via urine, accounting for a mean of 85.4% of the dose. Excretion via feces accounts for only 12.9% of the dose. Levocetirizine is excreted both by glomerular filtration and active tubular secretion. Renal clearance of levocetirizine correlates with that of creatinine clearance. In patients with renal impairment the clearance of levocetirizine is reduced *[see Dosage and Administration (2.2)].*

Drug Interaction Studies

*In vitro*data on metabolite interaction indicate that levocetirizine is unlikely to produce, or be subject to metabolic interactions. Levocetirizine at concentrations well above C_{max}level achieved within the therapeutic dose ranges is not an inhibitor of CYP isoenzymes 1A2, 2C9, 2C19, 2A1, 2D6, 2E1, and 3A4, and is not an inducer of UGT1A or CYP isoenzymes 1A2, 2C9 and 3A4.

No formal *in vivo*drug interaction studies have been performed with levocetirizine. Studies have been performed with the racemic cetirizine *[see Drug Interactions (7)].*

Pediatric patients

Data from a pediatric pharmacokinetic study with oral administration of a single dose of 5 mg levocetirizine in 14 children age 6 to 11 years with body weight ranging between 20 kg and 40 kg show that $C_{max}$and AUC values are about 2-fold greater than that reported in healthy adult subjects in a cross-study comparison. The mean $C_{max}$was 450 ng/mL, occurring at a mean time of 1.2 hours, weight-normalized, total body clearance was 30% greater, and the elimination half- life 24% shorter in this pediatric population than in adults.

Dedicated pharmacokinetic studies have not been conducted in pediatric patients younger than 6 years of age. A retrospective population pharmacokinetic analysis was conducted in 323 subjects (181 children 1 to 5 years of age, 18 children 6 to 11 years of age, and 124 adults 18 to 55 years of age) who received single or multiple doses of levocetirizine ranging from 1.25 mg to 30 mg. Data generated from this analysis indicated that administration of 1.25 mg once daily to children 6 months to 5 years of age results in plasma concentrations similar to those of adults receiving 5 mg once daily.

Geriatric patients

Limited pharmacokinetic data are available in elderly subjects. Following once daily repeat oral administration of 30 mg levocetirizine for 6 days in 9 elderly subjects (65 to 74 years of age), the total body clearance was approximately 33% lower compared to that in younger adults. The disposition of racemic cetirizine has been shown to be dependent on renal function rather than on age. This finding would also be applicable for levocetirizine, as levocetirizine and cetirizine are both predominantly excreted in urine. Therefore, the levocetirizine dihydrochloride dose should be adjusted in accordance with renal function in elderly patients *[see Dosage and Administration (2)].*

Gender

Pharmacokinetic results for 77 patients (40 men, 37 women) were evaluated for potential effect of gender. The half-life was slightly shorter in women (7.08 ± 1.72 hr) than in men (8.62 ± 1.84 hr); however, the body weight-adjusted oral clearance in women (0.67 ± 0.16 mL/min/kg) appears to be comparable to that in men (0.59 ± 0.12 mL/min/kg). The same daily doses and dosing intervals are applicable for men and women with normal renal function.

Race

The effect of race on levocetirizine has not been studied. As levocetirizine is primarily renally excreted, and there are no important racial differences in creatinine clearance, pharmacokinetic characteristics of levocetirizine are not expected to be different across races. No race-related differences in the kinetics of racemic cetirizine have been observed.

Renal impairment

Levocetirizine exposure (AUC) exhibited 1.8-, 3.2-, 4.3-, and 5.7-fold increase in mild, moderate, severe, renal impaired, and end-stage renal disease patients, respectively, compared to healthy subjects. The corresponding increases of half-life estimates were 1.4-, 2.0-, 2.9-, and 4- fold, respectively.

The total body clearance of levocetirizine after oral dosing was correlated to the creatinine clearance and was progressively reduced based on severity of renal impairment. Therefore, it is recommended to adjust the dose and dosing intervals of levocetirizine based on creatinine clearance in patients with mild, moderate, or severe renal impairment. In end-stage renal disease patients (CL_{CR}< 10 mL/min) levocetirizine is contraindicated. The amount of levocetirizine removed during a standard 4-hour hemodialysis procedure was <10%.

The dosage of levocetirizine dihydrochloride should be reduced in patients with mild renal impairment. Both the dosage and frequency of administration should be reduced in patients with moderate or severe renal impairment *[see Dosage and Administration (2.2)].*

Hepatic impairment

Levocetirizine dihydrochloride has not been studied in patients with hepatic impairment. The non-renal clearance (indicative of hepatic contribution) was found to constitute about 28% of the total body clearance in healthy adult subjects after oral administration.

As levocetirizine is mainly excreted unchanged by the kidney, it is unlikely that the clearance of levocetirizine is significantly decreased in patients with solely hepatic impairment *[see Dosage and Administration (2)].*

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

No carcinogenicity studies have been performed with levocetirizine. However, evaluation of cetirizine carcinogenicity studies is relevant for determination of the carcinogenic potential of levocetirizine. In a 2-year carcinogenicity study, in rats, cetirizine was not carcinogenic at dietary doses up to 20 mg/kg (approximately 40, 40, 25, and 10 times the MRHDs in adults, children 6 to 11 years of age, children 2 to 5 years, and children 6 months to 2 years of age, respectively, on a mg/m^2basis). In a 2-year carcinogenicity study in mice, cetirizine caused an increased incidence of benign hepatic tumors in males at a dietary dose of 16 mg/kg (approximately 15, 15, 9, and 5 times the MRHDs in adults, children 6 to 11 years of age, children 2 to 5 years, and children 6 months to 2 years of age, respectively, on a mg/m^2basis). No increased incidence of benign tumors was observed at a dietary dose of 4 mg/kg (approximately 4, 4, 2, and 1 times the MRHDs in adults, children 6 to 11 years of age, children 2 to 5 years, and children 6 months to 2 years of age, respectively on a mg/m^2basis). The clinical significance of these findings during long-term use of levocetirizine dihydrochloride is not known.

Levocetirizine was not mutagenic in the Ames test, and not clastogenic in the human lymphocyte assay, the mouse lymphoma assay, and *in vivo*micronucleus test in mice.

Fertility and reproductive performance were unaffected in male and female mice and rats

that received cetirizine at oral doses up to 64 and 200 mg/kg/day, respectively (approximately 60 and 390 times the MRHD in adults on a mg/m ^{2}basis).

14 CLINICAL STUDIES

14.1 Perennial Allergic Rhinitis

Adults and Adolescents 12 Years of Age and Older

The efficacy of levocetirizine dihydrochloride was evaluated in four randomized, placebo-controlled, double-blind clinical trials in adult and adolescent patients 12 years and older with symptoms of perennial allergic rhinitis. The four clinical trials include two dose-ranging trials of 4 weeks duration and two efficacy trials (one 6-week and one 6-month) in patients with perennial allergic rhinitis.

These trials included a total of 1,729 patients (752 males and 977 females) of whom 227 were adolescents 12 to 17 years of age. Efficacy was assessed using a total symptom score from patient recording of 4 symptoms (sneezing, rhinorrhea, nasal pruritus, and ocular pruritus) in three studies and 5 symptoms (sneezing, rhinorrhea, nasal pruritus, ocular pruritus, and nasal congestion) in one study. Patients recorded symptoms using a 0 to 3 categorical severity scale (0 = absent, 1 = mild, 2 = moderate, 3 = severe) once daily in the evening reflective of the 24 hour treatment period. The primary endpoint was the mean total symptom score averaged over the first week and over 4 weeks for perennial allergic rhinitis trials.

The two dose-ranging trials were conducted to evaluate the efficacy of levocetirizine dihydrochloride 2.5 mg, 5 mg, and 10 mg once daily in the evening. These trials were 4 weeks in duration and included patients with perennial allergic rhinitis. In these trials, each of the three doses of levocetirizine dihydrochloride demonstrated greater decrease in the reflective total symptom score than placebo and the difference was statistically significant for all three doses in the two studies. Results for one of these trials are shown in Table 4.

Table 4: Mean Reflective Total Symptom Score * in Allergic Rhinitis Dose-Ranging Trials

Treatment	N	Baseline	On Treatment Adjusted Mean	Difference from Placebo		
				Estimate	95% CI	p-value
Perennial Allergic Rhinitis Trial – Reflective total symptom score						
Levocetirizine dihydrochloride 2.5 mg	133	7.14	4.12	1.17	(0.71, 1.63)	<0.001
Levocetirizine dihydrochloride 5 mg	127	7.18	4.07	1.22	(0.76, 1.69)	<0.001
Levocetirizine dihydrochloride 10 mg	129	7.58	4.19	1.10	(0.64, 1.57)	<0.001

Placebo	128	7.22	5.29			

*Total symptom score is the sum of individual symptoms of sneezing, rhinorrhea, nasal pruritus, and ocular pruritus as assessed by patients on a 0 to 3 categorical severity scale.

One clinical trial evaluated the efficacy of levocetirizine dihydrochloride 5 mg once daily in the evening compared to placebo in patients with perennial allergic rhinitis over a 6-week treatment period. Another trial conducted over a 6-month treatment period assessed efficacy at 4 weeks. Levocetirizine dihydrochloride 5 mg demonstrated a greater decrease from baseline in the reflective total symptom score than placebo and the difference from placebo was statistically significant. Results of the former are shown in Table 5.

Table 5: Mean Reflective Total Symptom Score *in Allergic Rhinitis Trials

Treatment	N	Baseline	On Treatment Adjusted Mean	Difference from Placebo		
				Estimate	95% CI	p-value
Perennial Allergic Rhinitis Trial – Reflective total symptom score						
Levocetirizine dihydrochloride 5 mg	150	7.69	3.93	1.17	(0.70, 1.64)	<0.001
Placebo	142	7.44	5.10			

*Total symptom score is the sum of individual symptoms of sneezing, rhinorrhea, nasal pruritus, and ocular pruritus as assessed by patients on a 0 to 3 categorical severity scale.

Onset of action was evaluated in two environmental exposure unit studies in allergic rhinitis patients with a single dose of levocetirizine dihydrochloride 2.5 mg or 5 mg. Levocetirizine dihydrochloride 5 mg was found to have an onset of action 1 hour after oral intake. Onset of action was also assessed from the daily recording of symptoms in the evening before dosing in the allergic rhinitis trials. In these trials, onset of effect was seen after 1 day of dosing.

Pediatric Patients Less than 12 Years of Age

There are no clinical efficacy trials with levocetirizine dihydrochloride 2.5 mg once daily in pediatric patients under 12 years of age, and no clinical efficacy trials with levocetirizine dihydrochloride 1.25 mg once daily in pediatric patients 6 months to 5 years of age. The clinical efficacy of levocetirizine dihydrochloride in pediatric patients under 12 years of age has been extrapolated from adult clinical efficacy trials based on pharmacokinetic comparisons *[see Use in Specific Populations (8.4)].*

14.2 Chronic Idiopathic Urticaria

Adult Patients 18 Years of Age and Older

The efficacy of levocetirizine dihydrochloride for the treatment of the uncomplicated skin manifestations of chronic idiopathic urticaria was evaluated in two multi-center, randomized, placebo-controlled, double- blind clinical trials of 4 weeks duration in adult patients 18 to 85 years of age with chronic idiopathic urticaria. The two trials included one 4-week dose-ranging trial and one 4-week single-dose level efficacy trial. These trials included 423 patients (139 males and 284 females). Most patients (>90%) were Caucasian and the mean age was 41. Of these patients, 146 received levocetirizine dihydrochloride 5 mg once daily in the evening. Efficacy was assessed based on patient recording of pruritus severity on a severity score of 0 to 3 (0 = none to 3 = severe). The primary efficacy endpoint was the mean reflective pruritus severity score over the first week and over the entire treatment period. Additional efficacy variables were the instantaneous pruritus severity score, the number and size of wheals, and duration of pruritus.

The dose-ranging trial was conducted to evaluate the efficacy of levocetirizine dihydrochloride 2.5 mg, 5 mg, and 10 mg once daily in the evening. In this trial, each of the three doses of levocetirizine dihydrochloride demonstrated greater decrease in the reflective pruritus severity score than placebo and the difference was statistically significant for all three doses (see Table 6).

The single dose level trial evaluated the efficacy of levocetirizine dihydrochloride 5 mg once daily in the evening compared to placebo in patients with chronic idiopathic urticaria over a 4-week treatment period.

Levocetirizine dihydrochloride 5 mg demonstrated a greater decrease from baseline in the reflective pruritus severity score than placebo and the difference from placebo was statistically significant.

Duration of pruritus, number and size of wheals, and instantaneous pruritus severity score also showed significant improvement over placebo. The significant improvement in the instantaneous pruritus severity score over placebo confirmed end of dosing interval efficacy (see Table 6).

Table 6: Mean Reflective Pruritus Severity Score in Chronic Idiopathic Urticaria Trials

Treatment	N	Baseline	On Treatment Adjusted Mean	Difference from Placebo		
				Estimate	95% CI	p-value
Dose-Ranging Trial – Reflective pruritus severity score						
Levocetirizine dihydrochloride 2.5 mg	69	2.08	1.02	0.82	(0.58, 1.06)	<0.001
Levocetirizine dihydrochloride 5 mg	62	2.07	0.92	0.91	(0.66, 1.16)	<0.001
Levocetirizine dihydrochloride 10 mg	55	2.04	0.73	1.11	(0.85, 1.37)	<0.001
Placebo	60	2.25	1.84			

Chronic Idiopathic Urticaria Trial – Reflective pruritus severity score						
Levocetirizine dihydrochloride 5 mg	80	2.07	0.94	0.62	(0.38, 0.86)	<0.001
Placebo	82	2.06	1.56			

Pediatric Patients

There are no clinical efficacy trials in pediatric patients with chronic idiopathic urticaria *[see Use in Specific Populations (8.4)].*

16 HOW SUPPLIED/STORAGE AND HANDLING

Levocetirizine dihydrochloride tablets, USP 5 mg are white, oval, biconvex, film-coated functional scored tablets debossed with “S” on the left side of bisect and “G” on the right side of the bisect and other side “1” on the left side and “36” on the right side of the bisect. They are supplied in unit of use HDPE bottles.

30 tablets (NDC 51655-564-52)

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

17 PATIENT COUNSELING INFORMATION

Somnolence

Caution patients against engaging in hazardous occupations requiring complete mental alertness, and motor coordination such as operating machinery or driving a motor vehicle after ingestion of levocetirizine dihydrochloride *[see Warnings and Precautions (5.1)]* .

Concomitant Use of Alcohol and other Central Nervous System Depressants

Instruct patients to avoid concurrent use of levocetirizine dihydrochloride with alcohol or other central nervous system depressants because additional reduction in mental alertness may occur *[see Warnings and Precautions (5.1)]* .

Risk of New Onset Pruritus After Discontinuation of Levocetirizine Dihydrochloride Tablets

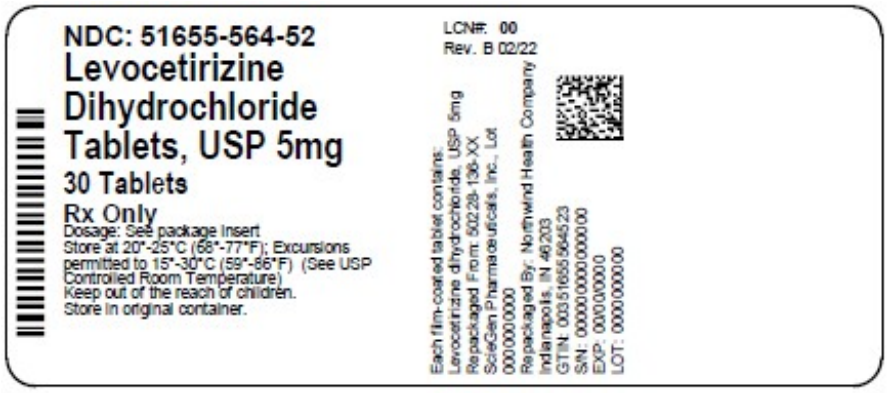
Inform patients pruritus has occurred within a few days of discontinuing levocetirizine dihydrochloride tablets among patients who used levocetirizine dihydrochloride tablets long-term (e.g., few months to years). Pruritus may improve with restarting or tapering levocetirizine dihydrochloride tablets *[see Warnings and Precautions (5.3)]* . Advise patient to seek medical advice if pruritus occurs.

Manufactured by:
ScieGen Pharmaceuticals, Inc.
Hauppauge, NY 11788 USA

Rev. 8/2025

Principal Display Panel

NDC: 51655-564-52



LEVOCETIRIZINE DIHYDROCHLORIDE

levocetirizine dihydrochloride tablet

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	**Item Code (Source)**	NDC:51655-564(NDC:50228-136)
Route of Administration	ORAL		

Active Ingredient/Active Moiety		
Ingredient Name	**Basis of Strength**	**Strength**
LEVOCETIRIZINE DIHYDROCHLORIDE (UNII: SOD6A38AGA) (LEVOCETIRIZINE - UNII:6U5EA9RT2O)	LEVOCETIRIZINE DIHYDROCHLORIDE	5 mg

Inactive Ingredients	
Ingredient Name	**Strength**
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
HYPROMELLOSE, UNSPECIFIED (UNII: 3NXW29V3WO)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	
POLYETHYLENE GLYCOL, UNSPECIFIED (UNII: 3WQ0SDW1A)	

Product Characteristics			
Color	white	**Score**	2 pieces
Shape	OVAL	**Size**	8mm
Flavor		**Imprint Code**	SG;136

Contains	

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:51655-564-52	30 in 1 BOTTLE, PLASTIC; Type 0: Not a Combination Product	01/25/2021	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA203646	01/25/2021	

Labeler - Northwind Health Company, LLC (036986393)

Registrant - Northwind Health Company, LLC (036986393)

Establishment

Name	Address	ID/FEI	Business Operations
Northwind Health Company, LLC		036986393	repack(51655-564)

Revised: 1/2026 Northwind Health Company, LLC