

SUPRAX- cefixime tablet
SUPRAX- cefixime capsule
SUPRAX- cefixime tablet, chewable
SUPRAX- cefixime powder, for suspension
Lupin Pharmaceuticals, Inc.

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use SUPRAX[®]; safely and effectively. See full prescribing information for SUPRAX[®];

SUPRAX[®]; (cefixime) tablets, for oral use
SUPRAX[®]; (cefixime) capsules, for oral use
SUPRAX[®]; (cefixime) chewable tablets, for oral use
SUPRAX[®]; (cefixime) for oral suspension
Initial U.S. Approval: 1986

RECENT MAJOR CHANGES

Warnings and Precautions, Risk in Patients with Phenylketonuria (5.6) 03/2017

INDICATIONS AND USAGE

SUPRAX (cefixime) is a cephalosporin antibacterial drug indicated in the treatment of adults and pediatric patients six months and older with the following infections:

- Uncomplicated Urinary Tract Infections (1.1)
- Otitis Media (1.2)
- Pharyngitis and Tonsillitis (1.3)
- Acute Exacerbations of Chronic Bronchitis (1.4)
- Uncomplicated Gonorrhea (cervical/urethral) (1.5)

To reduce the development of drug-resistant bacteria and maintain the effectiveness of SUPRAX and other antibacterial drugs, SUPRAX should be used only to treat infections that are proven or strongly suspected to be caused by bacteria. (1.6)

DOSAGE AND ADMINISTRATION

- Adults: 400 mg daily (2.1)
- Pediatric patients (6 months and older): 8 mg/kg/day (2.2)

DOSAGE FORMS AND STRENGTHS

- Film-coated, scored Tablets: 400 mg (3)
- Capsules: 400 mg (3)
- Chewable Tablets: 100 mg, 150 mg and 200 mg (3)
- Oral Suspension: 100 mg/5 mL, 200 mg/5 mL and 500 mg/5 mL (3)

CONTRAINDICATIONS

- Contraindicated in patients with known allergy to cefixime or other cephalosporins. (4)

WARNINGS AND PRECAUTIONS

- Hypersensitivity reactions including shock and fatalities have been reported with cefixime. Discontinue use if a reaction occurs. (5.1)
- *Clostridium difficile* associated diarrhea: Evaluate if diarrhea occurs. (5.2)
- Risk in Patients with Phenylketonuria (PKU): Before prescribing SUPRAX chewable tablets in a patient with PKU, consider the combined daily amount of phenylalanine from all sources, including SUPRAX chewable tablets. (5.6)

ADVERSE REACTIONS

Most common adverse reactions are gastrointestinal such as diarrhea (16%), nausea (7%), loose stools (6%), abdominal pain (3%), dyspepsia (3%), and vomiting. (6)

To report SUSPECTED ADVERSE REACTIONS, contact Lupin Pharma at 1-800-399-2561 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

DRUG INTERACTIONS

- Elevated carbamazepine levels have been reported in postmarketing experience when cefixime is administered concomitantly. (7.1)
- Increased prothrombin time, with or without clinical bleeding, has been reported when cefixime is administered concomitantly with warfarin and anticoagulants. (7.2)

USE IN SPECIFIC POPULATIONS

- Pregnancy: Cefixime should be used during pregnancy only if clearly needed. (8.1)
- Nursing Mothers: Consideration should be given to discontinuing nursing temporarily during treatment with cefixime. (8.3)
- Children: Efficacy and safety in infants aged less than six months have not been established. (8.4)
- Geriatric Use: Clinical studies did not include sufficient numbers of subjects aged 65 and older to determine whether they respond differently than younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. (8.5)
- Renal Impairment: Cefixime may be administered in the presence of impaired renal function. Dose adjustment is required in patients whose creatinine clearance is less than 60 mL/min. (8.6)

See 17 for PATIENT COUNSELING INFORMATION.

Revised: 3/2018

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

1.1 Uncomplicated Urinary Tract Infections

SUPRAX is indicated in the treatment of adults and pediatric patients six months of age or older with uncomplicated urinary tract infections caused by susceptible isolates of *Escherichia coli* and *Proteus mirabilis*.

1.2 Otitis Media

SUPRAX is indicated in the treatment of adults and pediatric patients six months of age or older with otitis media caused by susceptible isolates of *Haemophilus influenzae*, *Moraxella catarrhalis*, and *Streptococcus pyogenes*. (Efficacy for *Streptococcus pyogenes* in this organ system was studied in fewer than 10 infections.)

Note: For patients with otitis media caused by *Streptococcus pneumoniae*, overall response was approximately 10% lower for cefixime than for the comparator [see *Clinical Studies (14)*].

1.3 Pharyngitis and Tonsillitis

SUPRAX is indicated in the treatment of adults and pediatric patients six months of age or older with pharyngitis and tonsillitis caused by susceptible isolates of *Streptococcus pyogenes*. (Note: Penicillin is the usual drug of choice in the treatment of *Streptococcus pyogenes* infections. SUPRAX is generally effective in the eradication of *Streptococcus pyogenes* from the nasopharynx; however, data establishing the efficacy of SUPRAX in the subsequent prevention of rheumatic fever is not available.)

1.4 Acute Exacerbations of Chronic Bronchitis

SUPRAX is indicated in the treatment of adults and pediatric patients six months of age or older with acute exacerbations of chronic bronchitis caused by susceptible isolates of *Streptococcus pneumoniae* and *Haemophilus influenzae*.

1.5 Uncomplicated Gonorrhea (cervical/urethral)

SUPRAX is indicated in the treatment of adults and pediatric patients six months of age or older with uncomplicated gonorrhea (cervical/urethral) caused by susceptible isolates of *Neisseria gonorrhoeae* (penicillinase- and non-penicillinase-producing isolates).

1.6 Usage

To reduce the development of drug resistant bacteria and maintain the effectiveness of SUPRAX and other antibacterial drugs, SUPRAX should be used only to treat infections that are proven or strongly suspected to be caused by susceptible bacteria. When culture and susceptibility information are available, they should be considered in selecting or modifying antimicrobial therapy. In the absence of such data, local epidemiology and susceptibility patterns may contribute to the empiric selection of therapy.

2 DOSAGE AND ADMINISTRATION

2.1 Adults

The recommended dose of cefixime is 400 mg daily. This may be given as a 400 mg tablet or capsule daily or the 400 mg tablet may be split and given as one half tablet every 12 hours. For the treatment of uncomplicated cervical/urethral gonococcal infections, a single oral dose of 400 mg is recommended. The capsule and tablet may be administered without regard to food.

In the treatment of infections due to *Streptococcus pyogenes*, a therapeutic dosage of cefixime should be administered for at least 10 days.

2.2 Pediatric Patients (6 months or older)

The recommended dose is 8 mg/kg/day of the suspension. This may be administered as a single daily dose or may be given in two divided doses, as 4 mg/kg every 12 hours.

Note: A suggested dose has been determined for each pediatric weight range. Refer to Table 1. Ensure all orders that specify a dose in milliliters include a concentration, because SUPRAX for oral suspension is available in three different concentrations (100 mg/5 mL, 200 mg/5 mL, and 500 mg/5 mL).

Table 1. Suggested doses for pediatric patients

PEDIATRIC DOSAGE CHART

Doses are suggested for each weight range and rounded for ease of administration					
		SUPRAX (cefixime) for oral suspension			SUPRAX (cefixime) chewable tablet
		100 mg/5 mL	200 mg/5 mL	500 mg/5 mL	
Patient Weight (kg)	Dose/Day (mg)	Dose/Day (mL)	Dose/Day (mL)	Dose/Day (mL)	Dose
5 to 7.5*	50	2.5	--	--	--
7.6 to 10*	80	4	--	--	--
10.1 to 12.5	100	5	2.5	1	1 tablet of 100 mg
12.6 to 20.5	150	7.5	4	1.5	1 tablet of 150 mg
20.6 to 28	200	10	5	2	1 tablet of 200 mg
28.1 to 33	250	12.5	6	2.5	1 tablet of 100 mg and 1 tablet of 150 mg
33.1 to 40	300	15	7.5	3	2 tablets of 150 mg
40.1 to 45	350	17.5	9	3.5	1 tablet of 150 mg and 1 tablet of 200 mg
45.1 or greater	400	20	10	4	2 tablets of 200 mg

* The preferred concentrations of oral suspension to use are 100 mg/5 mL or 200 mg/5 mL for pediatric patients in these weight ranges.

Children weighing more than 45 kg or older than 12 years should be treated with the recommended adult dose. SUPRAX (cefixime) chewable tablets must be chewed or crushed before swallowing.

Otitis media should be treated with the chewable tablets or suspension. Clinical trials of otitis media were conducted with the chewable tablets or suspension, and the chewable tablets or suspension results in higher peak blood levels than the tablet when administered at the same dose.

Therefore, the tablet or capsule should not be substituted for the chewable tablets or suspension in the treatment of otitis media [see *Clinical Pharmacology (12.3)*].

In the treatment of infections due to *Streptococcus pyogenes*, a therapeutic dosage of cefixime should be administered for at least 10 days.

2.3 Renal Impairment

SUPRAX may be administered in the presence of impaired renal function. Normal dose and schedule may be employed in patients with creatinine clearances of 60 mL/min or greater. Refer to Table 2 for dose adjustments for adults with renal impairment. Neither hemodialysis nor peritoneal dialysis removes significant amounts of drug from the body.

Table 2. Doses for Adults with Renal Impairment

Renal Dysfunction	SUPRAX (cefixime) for oral suspension			Tablet	Chewable Tablet
	100 mg/5 mL	200 mg/5 mL	500 mg/5 mL	400 mg	200 mg
Creatinine Clearance (mL/min)	Dose/Day (mL)	Dose/Day (mL)	Dose/Day (mL)	Dose/Day	Dose/Day
60 or greater	Normal dose	Normal dose	Normal dose	Normal dose	Normal dose
21 to 59* OR renal hemodialysis*	13	6.5	2.6	Not Appropriate	Not Appropriate
20 or less OR continuous peritoneal dialysis	8.6	4.4	1.8	0.5 tablet	1 tablet

* The preferred concentrations of oral suspension to use are 200 mg/5 mL or 500 mg/5 mL for patients with this renal dysfunction

2.4 Reconstitution Directions for Oral Suspension

Strength	Bottle Size	Reconstitution Directions
100 mg/5 mL and 200 mg/5 mL	100 mL	To reconstitute, suspend with 68 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.
100 mg/5 mL and 200 mg/5 mL	75 mL	To reconstitute, suspend with 51 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.
100 mg/5 mL and 200 mg/5 mL	50 mL	To reconstitute, suspend with 34 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.
200 mg/5 mL	37.5 mL	To reconstitute, suspend with 26 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.
200 mg/5 mL	25 mL	To reconstitute, suspend with 17 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.
500 mg/5 mL	20 mL	To reconstitute, suspend with 14 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.
500 mg/5 mL	10 mL	To reconstitute, suspend with 8 mL water . Method: Tap the bottle several times to loosen powder contents prior to reconstitution. Add approximately half the total amount of water for reconstitution and shake well. Add the remainder of water and shake well.

After reconstitution, the suspension may be kept for 14 days either at room temperature, or under refrigeration, without significant loss of potency. Keep tightly closed. Shake well before using. Discard unused portion after 14 days.

3 DOSAGE FORMS AND STRENGTHS

SUPRAX is available for oral administration in the following dosage forms and strengths:

- Film-coated tablets provide 400 mg of cefixime as trihydrate. These are white to off-white, film-coated, capsule shaped tablets with beveled edges and a divided score line on each side. The tablet is debossed with "SUPRAX" across one side and "LUPIN"

across the other side.

- Capsules provide 400 mg of cefixime as trihydrate. These are size "00EL" capsules with pink opaque cap and pink opaque body with "LU" on the cap and "U43" on the body in black ink. Capsules contain white to yellowish white granular powder.
- Chewable tablets provide either 100 mg or 150 mg or 200 mg of cefixime as trihydrate. The 100 mg tablet is pink, round tablet, debossed with "SUPRAX 100" on one side and "LUPIN" on other side. The 150 mg tablet is pink, round tablet, debossed with "SUPRAX 150" on one side and "LUPIN" on other side. The 200 mg tablet is pink, round tablet, debossed with "SUPRAX 200" on one side and "LUPIN" on other side.
- Powder for oral suspension, when reconstituted, provides either 100 mg/5 mL or 200 mg/5 mL or 500 mg/5 mL of cefixime as trihydrate. For 100 mg/5 mL and 200 mg/5 mL, the powder has an off white to pale yellow color and is strawberry flavored. For 500 mg/5 mL, the powder has an off white to cream color and is strawberry flavored.

4 CONTRAINDICATIONS

SUPRAX (cefixime) is contraindicated in patients with known allergy to cefixime or other cephalosporins.

5 WARNINGS AND PRECAUTIONS

5.1 Hypersensitivity Reactions

Anaphylactic/anaphylactoid reactions (including shock and fatalities) have been reported with the use of cefixime.

Before therapy with SUPRAX is instituted, careful inquiry should be made to determine whether the patient has had previous hypersensitivity reactions to cephalosporins, penicillins, or other drugs. If this product is to be given to penicillin-sensitive patients, caution should be exercised because cross hypersensitivity among beta-lactam antibacterial drugs has been clearly documented and may occur in up to 10% of patients with a history of penicillin allergy. If an allergic reaction to SUPRAX occurs, discontinue the drug.

5.2 Clostridium difficile-Associated Diarrhea

Clostridium difficile associated diarrhea (CDAD) has been reported with use of nearly all antibacterial agents, including SUPRAX, and may range in severity from mild diarrhea to fatal colitis. Treatment with antibacterial agents alters the normal flora of the colon leading to overgrowth of *C. difficile*.

C. difficile produces toxins A and B which contribute to the development of CDAD. Hypertoxin producing isolates of *C. difficile* cause increased morbidity and mortality, as these infections can be refractory to antimicrobial therapy and may require colectomy. CDAD must be considered in all patients who present with diarrhea following antibacterial drug use. Careful medical history is necessary since CDAD has been reported to occur over two months after the administration of antibacterial agents.

If CDAD is suspected or confirmed, ongoing antibacterial drug use not directed against *C. difficile* may need to be discontinued. Appropriate fluid and electrolyte management, protein supplementation, antibacterial drug treatment of *C. difficile*, and surgical evaluation should be instituted as clinically indicated.

5.3 Dose Adjustment in Renal Impairment

The dose of SUPRAX should be adjusted in patients with renal impairment as well as those undergoing continuous ambulatory peritoneal dialysis (CAPD) and hemodialysis (HD). Patients on dialysis should be monitored carefully [see *Dosage and Administration* (2)].

5.4 Coagulation Effects

Cephalosporins, including SUPRAX, may be associated with a fall in prothrombin activity. Those at risk include patients with renal or hepatic impairment, or poor nutritional state, as well as patients receiving a protracted course of antimicrobial therapy, and patients previously stabilized on anticoagulant therapy. Prothrombin time should be monitored in patients at risk and exogenous vitamin K administered as indicated.

5.5 Development of Drug-Resistant Bacteria

Prescribing Suprax (cefixime) in the absence of a proven or strongly suspected bacterial infection is unlikely to provide benefit to the patient and increases the risk of the development of drug-resistant bacteria.

5.6 Risk in Patients with Phenylketonuria

Phenylalanine can be harmful to patients with phenylketonuria (PKU). SUPRAX chewable tablets contain aspartame, a source of phenylalanine. Each 100 mg, 150 mg and 200 mg strength contains 3.3 mg, 5 mg and 6.7 mg of phenylalanine, respectively. Before prescribing SUPRAX chewable tablets in a patient with PKU, consider the combined daily amount of phenylalanine from all sources, including SUPRAX chewable tablets.

6 ADVERSE REACTIONS

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 most commonly seen adverse reactions in U.S. trials of the tablet formulation were gastrointestinal events, which were reported in 30% of adult patients on either the twice daily or the once daily regimen. Five percent (5%) of patients in the U.S. clinical trials discontinued therapy because of drug-related adverse reactions. Individual adverse reactions included diarrhea 16%, loose or frequent stools 6%, abdominal pain 3%, nausea 7%, dyspepsia 3%, and flatulence 4%. The incidence of gastrointestinal adverse reactions, including diarrhea and loose stools, in pediatric patients receiving the suspension was comparable to the incidence seen in adult patients receiving tablets.

6.2 Post-marketing Experience

The following adverse reactions have been reported following the post-approval use of cefixime. Incidence rates were less than 1 in 50 (less than 2%).

Gastrointestinal

Several cases of documented pseudomembranous colitis were identified in clinical trials. The onset of pseudomembranous colitis symptoms may occur during or after therapy.

Hypersensitivity Reactions

Anaphylactic/anaphylactoid reactions (including shock and fatalities), skin rashes, urticaria, drug fever, pruritus, angioedema, and facial edema. Erythema multiforme, Stevens-Johnson syndrome, and serum sickness-like reactions have been reported.

Hepatic

Transient elevations in SGPT, SGOT, alkaline phosphatase, hepatitis, jaundice.

Renal

Transient elevations in BUN or creatinine, acute renal failure.

Central Nervous System

Headaches, dizziness, seizures.

Hemic and Lymphatic System

Transient thrombocytopenia, leukopenia, neutropenia, prolongation in prothrombin time, elevated LDH, pancytopenia, agranulocytosis, and eosinophilia.

Abnormal Laboratory Tests

Hyperbilirubinemia.

Other Adverse Reactions

Genital pruritus, vaginitis, candidiasis, toxic epidermal necrolysis.

Adverse Reactions Reported for Cephalosporin-class Drugs

Allergic reactions, superinfection, renal dysfunction, toxic nephropathy, hepatic dysfunction including cholestasis, aplastic anemia, hemolytic anemia, hemorrhage, and colitis.

Several cephalosporins have been implicated in triggering seizures, particularly in patients with renal impairment when the dosage was not reduced [see *Dosage and Administration (2) and Overdosage (10)*]. If seizures associated with drug therapy occur, the drug should be discontinued. Anticonvulsant therapy can be given if clinically indicated.

7 DRUG INTERACTIONS

7.1 Carbamazepine

Elevated carbamazepine levels have been reported in postmarketing experience when cefixime is administered concomitantly. Drug monitoring may be of assistance in detecting alterations in carbamazepine plasma concentrations.

7.2 Warfarin and Anticoagulants

Increased prothrombin time, with or without clinical bleeding, has been reported when cefixime is administered concomitantly.

7.3 Drug/Laboratory Test Interactions

A false-positive reaction for ketones in the urine may occur with tests using nitroprusside but not with those using nitroferricyanide.

The administration of cefixime may result in a false-positive reaction for glucose in the urine using Clinitest^{®**}, Benedict's solution, or Fehling's solution. It is recommended that glucose tests based on enzymatic glucose oxidase reactions (such as Clinistix^{®**} or TesTape^{®**}) be used. A false-positive direct Coombs test has been reported during treatment with other cephalosporins; therefore, it should be recognized that a positive Coombs test may be due to the drug.

**Clinitest[®] and Clinistix[®] are registered trademarks of Ames Division, Miles Laboratories, Inc. Tes-Tape[®] is a registered trademark of Eli Lilly and Company.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category B

Reproduction studies have been performed in mice and rats at doses up to 40 times the human dose and have revealed no evidence of harm to the fetus due to cefixime. There are no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed.

8.2 Labor and Delivery

Cefixime has not been studied for use during labor and delivery. Treatment should only be given if clearly needed.

8.3 Nursing Mothers

It is not known whether cefixime is excreted in human milk. Consideration should be given to discontinuing nursing temporarily during treatment with this drug.

8.4 Pediatric Use

Safety and effectiveness of cefixime in children aged less than six months old have not been established. The incidence of gastrointestinal adverse reactions, including diarrhea and loose stools, in the pediatric patients receiving the suspension, was comparable to the incidence seen in adult patients receiving tablets.

8.5 Geriatric Use

Clinical studies did not include sufficient numbers of subjects aged 65 and older to determine whether they respond differently than younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. A pharmacokinetic study in the elderly detected differences in pharmacokinetic parameters [see *Clinical Pharmacology* (12.3)]. These differences were small and do not indicate a need for dosage adjustment of the drug in the elderly.

8.6 Renal Impairment

The dose of cefixime should be adjusted in patients with renal impairment as well as those undergoing continuous ambulatory peritoneal dialysis (CAPD) and hemodialysis (HD). Patients on dialysis should be monitored carefully [see *Dosage and Administration* (2.3)].

10 OVERDOSAGE

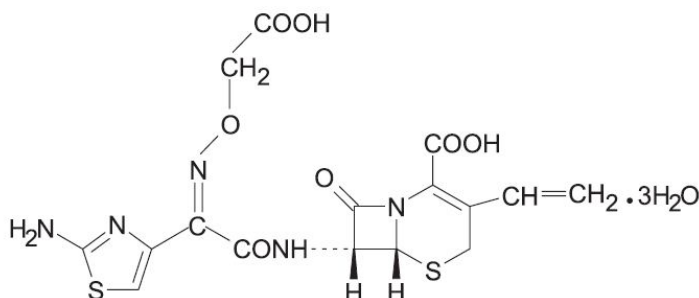
Gastric lavage may be indicated; otherwise, no specific antidote exists. Cefixime is not removed in significant quantities from the circulation by hemodialysis or peritoneal dialysis. Adverse reactions in small numbers of healthy adult volunteers receiving single doses up to 2 g of cefixime did not differ from the profile seen in patients treated at the recommended doses.

11 DESCRIPTION

Cefixime is a semisynthetic, cephalosporin antibacterial for oral administration. Chemically, it is (6*R*,7*R*)-7-[2-(2-Amino-4-thiazolyl)glyoxylamido]-8-oxo-3-vinyl-5-thia-1-azabicyclo [4.2.0] oct-2-ene-2-carboxylic acid, 7²-(*Z*)-[O-(carboxy methyl) oxime] trihydrate.

Molecular weight = 507.50 as the trihydrate. Chemical Formula is C₁₆H₁₅N₅O₇S₂·3H₂O

The structural formula for cefixime is:



- Inactive ingredients contained in SUPRAX® (cefixime) 400 mg tablets USP are: dibasic calcium phosphate, hypromellose, lactose monohydrate, magnesium stearate, microcrystalline cellulose, polyethylene glycol, pregelatinized starch, titanium dioxide, and triacetin.
- Inactive ingredients contained in SUPRAX® (cefixime) 400 mg capsules are: colloidal silicon dioxide, crospovidone, low substituted hydroxy propyl cellulose, magnesium stearate, and mannitol. The capsule shell contains the following inactive ingredients: ferric oxide black, ferric oxide red, gelatin, potassium hydroxide, propylene glycol, shellac, sodium lauryl sulfate, and titanium dioxide.
- Inactive ingredients contained in SUPRAX® (cefixime) 100 mg or 150 mg or 200 mg chewable tablets are: aspartame, colloidal silicon dioxide, crospovidone, FD&C Red # 40 Aluminium Lake, low substituted hydroxypropyl cellulose, magnesium stearate, mannitol, fantasy flavor permaseal, and tutti frutti flavor.
- Inactive ingredients contained in SUPRAX® (cefixime) powder for oral suspension USP are: colloidal silicon dioxide, sodium benzoate, strawberry flavor, sucralose (only in 500 mg/5 mL strength), sucrose, and xanthan gum.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Cefixime is a semisynthetic cephalosporin antibacterial drug [see *Microbiology* (12.4)].

12.3 Pharmacokinetics

SUPRAX chewable tablets are bioequivalent to oral suspension.

SUPRAX tablets and suspension, given orally, are about 40% to 50% absorbed whether administered with or without food; however, time to maximal absorption is increased approximately 0.8 hours when administered with food. A single 200 mg tablet of cefixime produces an average peak serum concentration of approximately 2 mcg/mL (range 1 to 4 mcg/mL); a single 400 mg tablet produces an average peak concentration of approximately 3.7 mcg/mL (range 1.3 to 7.7 mcg/mL). The oral suspension produces average peak concentrations approximately 25% to 50% higher than the tablets, when tested in normal *adult* volunteers. Two hundred and 400 mg doses of oral suspension produce average peak concentrations of 3 mcg/mL (range 1 to 4.5 mcg/mL) and 4.6 mcg/mL (range 1.9 to 7.7 mcg/mL), respectively, when tested in normal *adult* volunteers. The area under the time versus concentration curve (AUC) is greater by approximately 10% to 25% with the oral suspension than with the tablet after doses of 100 to 400 mg, when tested in normal *adult* volunteers. This increased absorption should be taken into consideration if the oral suspension is to be substituted for the tablet. Because of the lack of bioequivalence, tablets should not be substituted for oral suspension in the treatment of otitis media [see *Dosage and Administration* (2)]. Cross-over studies of tablet versus suspension have not been performed in children.

The 400 mg capsule is bioequivalent to the 400 mg tablet under fasting conditions. However, food reduces the absorption following administration of the capsule by approximately 15% based on AUC and 25% based on C_{max}.

Peak serum concentrations occur between 2 and 6 hours following oral administration of a single 200 mg tablet, a single 400 mg tablet or 400 mg of cefixime suspension. Peak serum concentrations occur between 2 and 5 hours following a single administration of 200 mg of suspension. Peak serum concentrations occur between 3 and 8 hours following oral administration of a single 400 mg capsule.

Distribution

Serum protein binding is concentration independent with a bound fraction of approximately 65%. In a multiple dose study conducted with a research formulation which is less bioavailable than the tablet or suspension, there was little accumulation of drug in serum or urine after dosing for 14 days. Adequate data on CSF levels of cefixime are not available.

Metabolism and Excretion

There is no evidence of metabolism of cefixime *in vivo*. Approximately 50% of the absorbed dose is excreted unchanged in the urine in 24 hours. In animal studies, it was noted that cefixime is also excreted in the bile in excess of 10% of the administered dose. The serum half-life of cefixime in healthy subjects is independent of dosage form and averages 3 to 4 hours but may range up to 9 hours in some normal volunteers.

Special Populations

Geriatrics: Average AUCs at steady state in elderly patients are approximately 40% higher than average AUCs in other healthy adults. Differences in the pharmacokinetic parameters between 12 young and 12 elderly subjects who received 400 mg of cefixime once daily for 5 days are summarized as follows:

Pharmacokinetic Parameters (mean ± SD) for Cefixime in Both Young & Elderly Subjects		
Pharmacokinetic parameter	Young	Elderly
C _{max} (mg/L)	4.74 ± 1.43	5.68 ± 1.83
T _{max} (h)*	3.9 ± 0.3	4.3 ± 0.6
AUC (mg.h/L)*	34.9 ± 12.2	49.5 ± 19.1
T _{1/2} (h)*	3.5 ± 0.6	4.2 ± 0.4
C _{ave} (mg/L)*	1.42 ± 0.50	1.99 ± 0.75

* Difference between age groups was significant. (p<0.05)

However, these increases were not clinically significant [see *Dosage and Administration* (2)].

Renal Impairment: In subjects with moderate impairment of renal function (20 to 40 mL/min creatinine clearance), the average serum half-life of cefixime is prolonged to 6.4 hours. In severe renal impairment (5 to 20 mL/min creatinine clearance), the half-life increased to an average of 11.5 hours. The drug is not cleared significantly from the blood by hemodialysis or peritoneal dialysis. However, a study indicated that with doses of 400 mg, patients undergoing hemodialysis have similar blood profiles as subjects with creatinine clearances of 21 to 60 mL/min.

12.4 Microbiology

Mechanism of Action

As with other cephalosporins, the bactericidal action of cefixime results from inhibition of cell wall synthesis. Cefixime is stable in the presence of certain beta-lactamase enzymes. As a result, certain organisms resistant to penicillins and some cephalosporins due to the presence of beta-lactamases may be susceptible to cefixime.

Resistance

Resistance to cefixime in isolates of *Haemophilus influenzae* and *Neisseria gonorrhoeae* is most often associated with alterations in penicillin-binding proteins (PBPs). Cefixime may have limited activity against Enterobacteriaceae producing extended spectrum beta-lactamases (ESBLs). *Pseudomonas* species, *Enterococcus* species, strains of Group D streptococci, *Listeria monocytogenes*, most strains of staphylococci (including methicillin-resistant strains), most strains of *Enterobacter* species, most strains of *Bacteroides fragilis*, and most strains of *Clostridium* species are resistant to cefixime.

Antimicrobial Activity

Cefixime has been shown to be active against most isolates of the following microorganisms, both *in vitro* and in clinical infections [see *Indications and Usage* (1)].

Gram-positive Bacteria

Streptococcus pneumoniae

Streptococcus pyogenes

Gram-negative Bacteria

Escherichia coli

Haemophilus influenzae

Moraxella catarrhalis

Neisseria gonorrhoeae

Proteus mirabilis

The following *in vitro* data are available, but their clinical significance is unknown. At least 90 percent of the following bacteria exhibit an *in vitro* minimum inhibitory concentration (MIC) less than or equal to the susceptible breakpoint for cefixime against isolates of similar genus or organism group. However, the efficacy of cefixime in treating clinical infections caused by these bacteria has not been established in adequate and well-controlled clinical trials.

Gram-positive Bacteria

Streptococcus agalactiae

Gram-negative Bacteria

Citrobacter amalonaticus

Citrobacter diversus

Haemophilus parainfluenzae

Klebsiella oxytoca

Klebsiella pneumoniae
Pasteurella multocida
Proteus vulgaris
Providencia species
Salmonella species
Serratia marcescens
Shigella species
Susceptibility Testing

For specific information regarding susceptibility test interpretive criteria and associated test methods and quality control standards recognized by FDA for this drug, please see: <https://www.fda.gov/STIC>.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Lifetime studies in animals to evaluate carcinogenic potential have not been conducted. Cefixime did not cause point mutations in bacteria or mammalian cells, DNA damage, or chromosome damage *in vitro* and did not exhibit clastogenic potential *in vivo* in the mouse micronucleus test. In rats, fertility and reproductive performance were not affected by cefixime at doses up to 25 times the adult therapeutic dose.

14 CLINICAL STUDIES

Comparative clinical trials of otitis media were conducted in nearly 400 children between the ages of 6 months to 10 years. *Streptococcus pneumoniae* was isolated from 47% of the patients, *Haemophilus influenzae* from 34%, *Moraxella catarrhalis* from 15% and *S. pyogenes* from 4%.

The overall response rate of *Streptococcus pneumoniae* to cefixime was approximately 10% lower and that of *Haemophilus influenzae* or *Moraxella catarrhalis* approximately 7% higher (12% when beta-lactamase positive isolates of *H. influenzae* are included) than the response rates of these organisms to the active control drugs.

In these studies, patients were randomized and treated with either cefixime at dose regimens of 4 mg/kg twice a day or 8 mg/kg once a day, or with a comparator. Sixty-nine to 70% of the patients in each group had resolution of signs and symptoms of otitis media when evaluated 2 to 4 weeks post-treatment, but persistent effusion was found in 15% of the patients. When evaluated at the completion of therapy, 17% of patients receiving cefixime and 14% of patients receiving effective comparative drugs (18% including those patients who had *Haemophilus influenzae* resistant to the control drug and who received the control antibacterial drug) were considered to be treatment failures. By the 2 to 4 week follow-up, a total of 30%-31% of patients had evidence of either treatment failure or recurrent disease.

Bacteriological Outcome of Otitis Media at Two to Four Weeks Post-Therapy Based on Repeat Middle Ear Fluid Culture or Extrapolation from Clinical Outcome			
Organism	Cefixime(a) 4 mg/kg BID	Cefixime(a) 8 mg/kg QD	Control(a) drugs
<i>Streptococcus pneumoniae</i>	48/70 (69%)	18/22 (82%)	82/100 (82%)
<i>Haemophilus influenzae</i> beta-lactamase negative	24/34 (71%)	13/17 (76%)	23/34 (68%)
<i>Haemophilus influenzae</i> beta-lactamase positive	17/22 (77%)	9/12 (75%)	1/1 (b)
<i>Moraxella catarrhalis</i>	26/31 (84%)	5/5	18/24 (75%)
<i>S. pyogenes</i>	5/5	3/3	6/7
All Isolates	120/162 (74%)	48/59 (81%)	130/166 (78%)

(a)Number eradicated/number isolated.

(b)An additional 20 beta-lactamase positive isolates of *Haemophilus influenzae* were isolated, but were excluded from this analysis because they were resistant to the control antibacterial drug. In nineteen of these, the clinical course could be assessed and a favorable outcome occurred in 10. When these cases are included in the overall bacteriological evaluation of therapy with the control drugs, 140/185 (76%) of pathogens were considered to be eradicated.

16 HOW SUPPLIED/STORAGE AND HANDLING

SUPRAX® is available for oral administration in following dosage forms, strengths and packages listed in the table below:

Dosage Form	Strength	Description	Package Size	NDC Code	Storage
SUPRAX® (cefixime) tablets USP	400 mg	White to off-white, film-coated, capsule shaped tablets with beveled edges and a divided score line on each side, debossed with "SUPRAX" across one side and "LUPIN" across other side, containing 400 mg of cefixime as the trihydrate.	Bottles of 10 tablets	27437-201-10	Store at 20 to 25°C (68 to 77°F) [See USP Controlled Room Temperature].
			Bottle of 50 tablets	27437-201-08	
			Bottle of 100 tablets	27437-201-01	
SUPRAX® (cefixime) capsules	400 mg	Size "00EL" capsules with pink opaque cap and pink opaque body, imprinted with "LU" on cap and "U43" on body in black ink, containing white to yellowish white granular powder containing 400 mg of cefixime as the trihydrate.	Bottle of 50 capsules	27437-208-08	Store at 20 to 25°C (68 to 77°F) [See USP Controlled Room Temperature].
			Unit Dose Package of 10 (1 blister of 10 capsules)	27437-208-11	
		Pink, round tablet,	Bottles of 10 tablets	27437-203-10	

SUPRAX® (cefixime) chewable tablets	100 mg	debossed with "SUPRAX 100" on one side and "LUPIN" on other side.	Bottle of 50 tablets	27437-203-08	Store at 20 to 25°C (68 to 77°F) [See USP Controlled Room Temperature].
			Unit Dose Package of 10 (1 blister of 10 tablets)	27437-203-11	
	150 mg	Pink, round tablet, debossed with "SUPRAX 150" on one side and "LUPIN" on other side.	Bottles of 10 tablets	27437-204-10	
			Bottle of 50 tablets	27437-204-08	
	200 mg	Pink, round tablet, debossed with "SUPRAX 200" on one side and "LUPIN" on other side.	Unit Dose Package of 10 (1 blister of 10 tablets)	27437-204-11	
			Bottles of 10 tablets	27437-205-10	
SUPRAX® (cefixime) for oral suspension USP	100 mg/5 mL	Off-white to pale yellow colored powder. After reconstituted as directed, each 5 mL of reconstituted suspension contains 100 mg of cefixime as the trihydrate.	Bottle of 50 mL	68180-202-03	<p>Prior to reconstitution: Store drug powder at 20 to 25°C (68 to 77°F) [See USP Controlled Room Temperature].</p> <p>After reconstitution: Store at room temperature or under refrigeration. Keep tightly closed.</p>
			Bottle of 75 mL	68180-202-02	
			Bottle of 100 mL	68180-202-01	
	200 mg/5 mL	Off-white to pale yellow colored powder. After reconstituted as directed, each 5 mL of reconstituted suspension contains 200 mg of cefixime as the trihydrate.	Bottle of 25 mL	27437-206-05	
			Bottle of 37.5 mL	27437-206-06	
			Bottle of 50 mL	27437-206-03	
			Bottle of 75 mL	27437-206-02	
	500 mg/5 mL	Off white to cream colored powder forming Off-white to pale yellow suspension with characteristic fruity odor on constitution. After reconstituted as directed, each mL of reconstituted suspension contains 100 mg of cefixime as the trihydrate.	Bottle of 100 mL	27437-206-01	
			Bottle of 10 mL	27437-207-02	
			Bottle of 20 mL	27437-207-03	

17 PATIENT COUNSELING INFORMATION

17.1 Information for Patients

Counsel patients that antibacterial drugs, including cefixime, should only be used to treat bacterial infections. They do not treat viral infections (e.g., the common cold). When cefixime is prescribed to treat a bacterial infection, patients should be told that although it is common to feel better early in the course of therapy, the medication should be taken exactly as directed. Skipping doses or not completing the full course of therapy may: (1) decrease the effectiveness of the immediate treatment and (2) increase the likelihood that bacteria will develop resistance and will not be treatable by cefixime for oral suspension or cefixime chewable tablets or other antibacterial drugs in the future.

Counsel patients with phenylketonuria that SUPRAX chewable tablets contain aspartame, a source of phenylalanine as follows: Each SUPRAX chewable tablet contains 3.3 mg, 5 mg and 6.7 mg of phenylalanine per 100 mg, 150 mg and 200 mg strength, respectively.

Advise patients that diarrhea is a common problem caused by antibacterial drugs which usually ends when the antibacterial drug is discontinued. Sometimes after starting treatment with antibacterial drugs, patients can develop watery and bloody stools (with or without stomach cramps and fever) even as late as two or more months after having taken the last dose of the antibacterial drug. If this occurs, patients should contact their physician as soon as possible.

Products	Manufactured for:	Manufactured by:
SUPRAX® (cefixime) tablets, 400 mg	Lupin Pharma Baltimore, Maryland 21202 United States.	Lupin Limited Mandideep 462 046 India.
SUPRAX® (cefixime) capsules, 400 mg		
SUPRAX® (cefixime) chewable tablets, 100 mg, 150 mg and 200 mg		
SUPRAX® (cefixime) for oral suspension, 200 mg/5 mL		
SUPRAX® (cefixime) for oral suspension, 500 mg/5 mL		
SUPRAX® (cefixime) for oral suspension, 100 mg/5 mL	Lupin Pharmaceuticals, Inc. Baltimore, Maryland 21202 United States.	

ID#: 254614

SUPRAX® CEFIXIME TABLETS USP

400 mg

Rx only

NDC 27437-201-10: Bottle of 10 Tablets

NDC 27437-201-25: Bottle of 2 Tablets [Physician Sample Pack]

NDC 27437-201-25: Carton for 2 Tablets [Physician Sample Pack]

Store at 20° - 25°C (68° - 77°F) [See USP Controlled Room Temperature].
Usual dosage:
See package insert.

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States

Manufactured by:
Lupin Limited
Mumbai 400 098 INDIA
Code No. MP/DRUGS/28/18/88

NDC 27437-201-10

Suprax®

Cefixime Tablets USP

400 mg

Each film coated tablet contains 400 mg of cefixime as the trihydrate.

Rx only

10 Tablets

Lupin Pharma

213191

LOT NO.
EXP.



SAMPLE - NOT TO BE SOLD
Store at 20° - 25°C (68° - 77°F) [See USP Controlled Room Temperature].
Usual dosage:
See package insert.

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States

Manufactured by:
Lupin Limited
Mumbai 400 098 INDIA
Code No. MP/DRUGS/28/18/88

NDC 27437-201-25

Suprax®

Cefixime Tablets USP

400 mg

Each film coated tablet contains 400 mg of cefixime as the trihydrate.

Rx only

2 Tablets

Lupin Pharma

204457

LOT NO.
EXP.



NDC 27437-201-25

Suprax®

Cefixime Tablets USP

400 mg

Each film coated tablet contains 400 mg of cefixime as the trihydrate.

Rx only

2 Tablets

Lupin Pharma

215049

SAMPLE - NOT TO BE SOLD
Store at 20° - 25°C (68° - 77°F) [See USP Controlled Room Temperature].
Usual dosage:
See package insert.
Code No. MP/DRUGS/28/18/88

LOT NO:
EXP.

NDC 27437-201-25

Suprax®

Cefixime Tablets USP

400 mg

Each film coated tablet contains 400 mg of cefixime as the trihydrate.

Rx only

2 Tablets

Lupin Pharma

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States

Manufactured by:
Lupin Limited
Mumbai 400 098 INDIA



SUPRAX® CEFIXIME CAPSULES

400 mg

Rx only

NDC 27437-208-08: Bottle of 50 Capsules

NDC 27437-208-11: Unit Dose Package of 10 (1 Blister of 10 Capsules)

NDC 27437-208-02: Single Dose Package of 1 (Blister of 1 Capsule)

NDC 27437-208-08

Suprax®

Cefixime Capsules

400 mg


Each capsule contains 400 mg of cefixime as the trihydrate.
Store at 20 to 25°C (68 to 77°F) [See USP Controlled Room Temperature].
This package not for household dispensing.
Dispense in tight, light-resistant containers as defined in the USP.
Dosage:
See accompanying prescribing information.

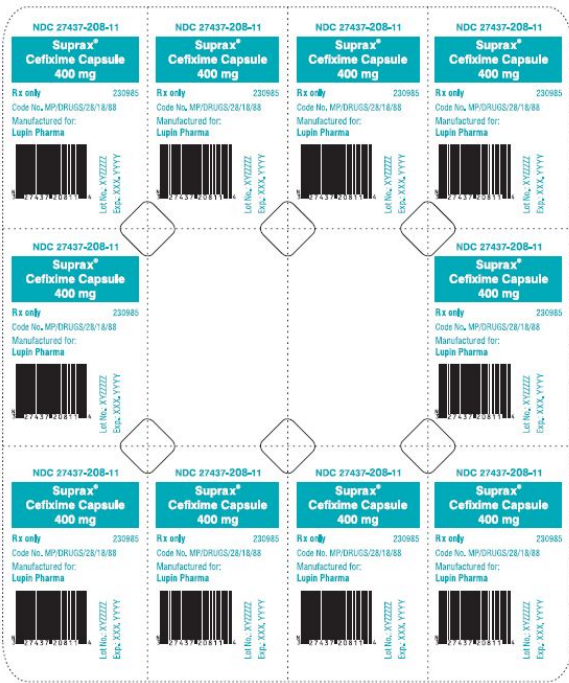
Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202 United States

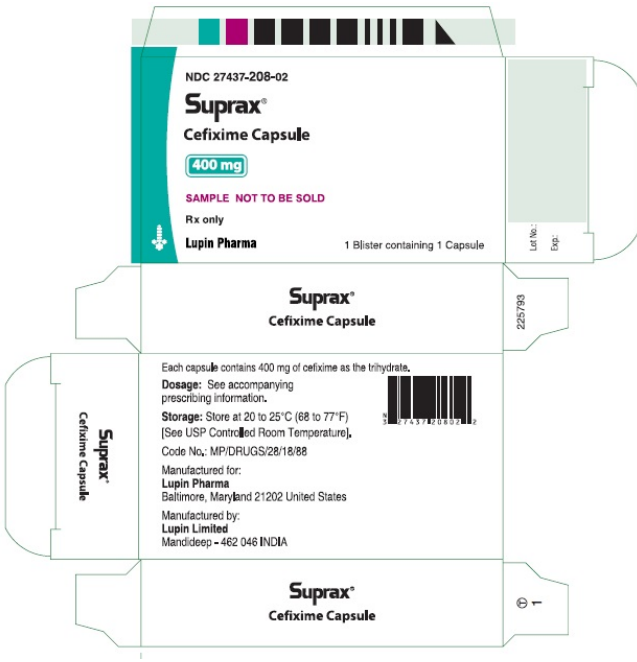
Manufactured by:
Lupin Limited
Mandideep 462 046 INDIA
Code No. MP/DRUGS/28/18/88

225784

LOT NO.
EXP.







SUPRAX® CEFIXIME CHEWABLE TABLETS

100 mg

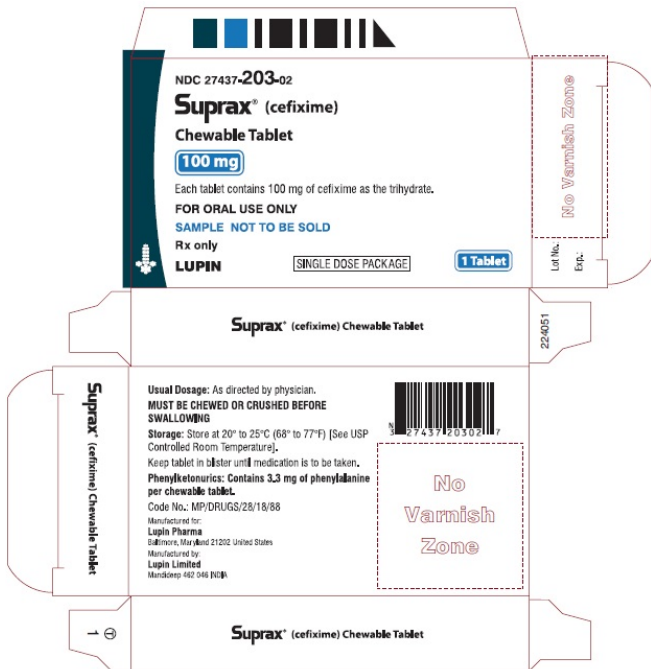
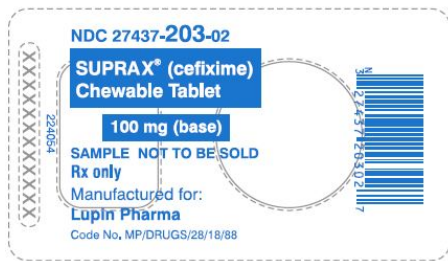
Rx only

NDC 27437-203-10: Bottle of 10 Tablets

NDC 27437-203-11: Unit Dose Package of 10 (1 Blister of 10 Tablets)

NDC 27437-203-02: Unit Dose Package of 1 (1 Blister of 1 Tablet)





SUPRAX® CEFIXIME CHEWABLE TABLETS

150 mg

Rx only

NDC 27437-204-10: Bottle of 10 Tablets

NDC 27437-204-11: Unit Dose Package of 10 (1 Blister of 10 Tablets)

NDC 27437-204-10

Suprax® (cefixime)
Chewable Tablets

150 mg

Each tablet contains 150 mg of cefixime as the trihydrate.

FOR ORAL USE ONLY
Rx only
LUPIN

10 Tablets

Usual Dosage: See package insert.
MUST BE CHEWED OR CRUSHED BEFORE SWALLOWING
Storage: Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].
Phenylethanamines: Contains 5 mg of phenylethanamine per chewable tablet.

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States

Manufactured by:
Lupin Limited
Mandideep 462 046 INDIA

Code No, MP/DRUGS/28/18/88

288442

3 743720410 11

LOT NO.
EXP.

NDC 27437-204-11

Suprax® (cefixime)
Chewable Tablet

Rx only
150 mg (base)

10 Tablets

Usual Dosage: See package insert.
MUST BE CHEWED OR CRUSHED BEFORE SWALLOWING
Storage: Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].
Phenylethanamines: Contains 5 mg of phenylethanamine per chewable tablet.

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States

Manufactured by:
Lupin Limited
Mandideep 462 046 INDIA

Code No, MP/DRUGS/28/18/88

288442

3 743720410 11

LOT NO.
EXP.

NDC 27437-204-11

Suprax® (cefixime)
Chewable Tablets

150 mg

Each tablet contains 150 mg of cefixime as the trihydrate.

FOR ORAL USE ONLY
Rx only
LUPIN

SINGLE UNIT PACKAGE

10 Tablets

Suprax® (cefixime) Chewable Tablets

USUAL DOSAGE: See package insert.
MUST BE CHEWED OR CRUSHED BEFORE SWALLOWING
Storage: Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].
Keep tablets in blister until medication is to be taken.
Phenylethanamines: Contains 5 mg of phenylethanamine per chewable tablet.
Code, No MP/DRUGS/28/18/88

Lot No.:

EXP.:

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202 United States

Manufactured by:
Lupin Limited
Mandideep 462 046 INDIA

27437204116

No Varnish Zone

Affix pharmacy label here

Suprax® (cefixime) Chewable Tablets

SUPRAX® CEFIXIME CHEWABLE TABLETS

200 mg

Rx only

NDC 27437-205-10: Bottle of 10 Tablets

NDC 27437-205-11: Unit Dose Package of 10 (1 Blister of 10 Tablets)

NDC 27437-205-02: Single Dose Package (Blister of 1 Tablet)

NDC 27437-205-10

**Suprax® (cefixime)
Chewable Tablets**

200 mg

Each tablet contains 200 mg of cefixime as the trihydrate.

FOR ORAL USE ONLY

Rx only
LUPIN

10 Tablets

Usual Dosage: See package insert.

MUST BE CHEWED OR CRUSHED BEFORE SWALLOWING

Storage: Store at 20° to 25°C (68° to 77°F) [See USP Controlled Room Temperature].

Phenyletonic: Contains 6,7 mg of phenylalanine per chewable tablet.

Manufactured by:
Lupin Pharma
Baltimore, Maryland 21202
United States

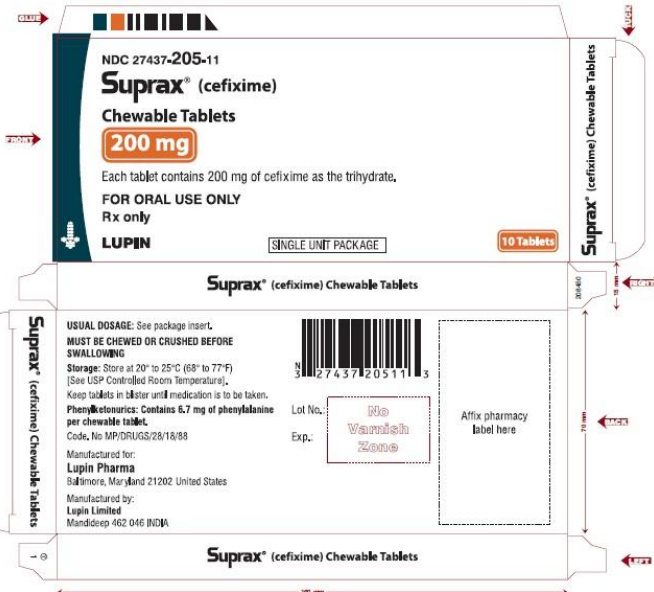
Manufactured by:
Lupin Limited
Mandideep 462 046 INDIA

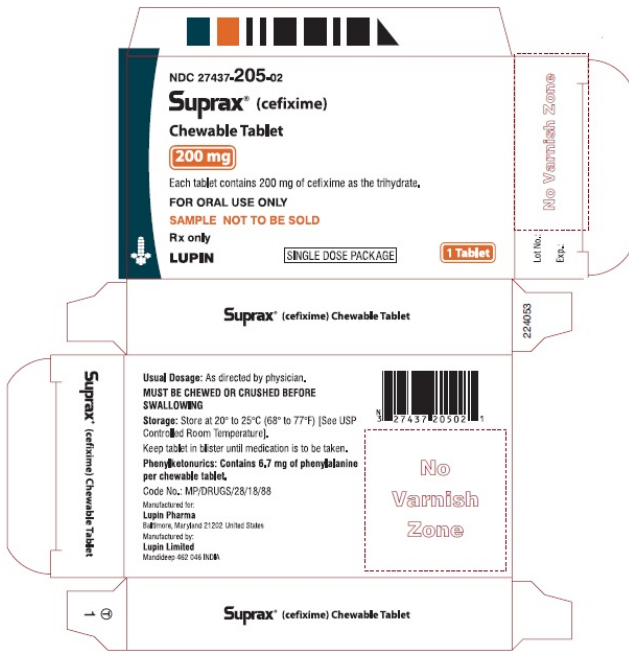
Code No, MP/DRUGS/28/18/88



208444

LOT NO.
DOB





SUPRAX® CEFIXIME FOR ORAL SUSPENSION USP

200 mg/5 mL

Rx only

NDC 27437-206-05: Bottle of 25 mL

NDC 27437-206-04: Bottle of 10 mL [Physician Sample Pack]

NDC 27437-206-04: Carton for 10 mL [Physician Sample Pack]

NDC 27437-206-05

Suprax®
Cefixime for Oral Suspension, USP
200 mg/5 mL

When reconstituted, each teaspoonful (5 mL) contains 200 mg of cefixime as the trihydrate.

Rx only
25 mL (when reconstituted)
Lupin Pharma

Net Contents: Contains 1 g cefixime as the trihydrate
Prior to reconstitution: Store drug powder at 20 - 25°C (68 - 77°F) [See USP].
After reconstitution: Store at room temperature or under refrigeration.
Keep tightly closed.
Discard any unused portion after 14 days
Usual dosage: See package insert.

FOR ORAL USE ONLY
SHAKE WELL BEFORE USING

Code No. MP/DRUGS/28/18/88

TO THE PHARMACIST: IMPORTANT
Use this bottle for dispensing. Use only if inner seal is intact.
Directions for mixing: To reconstitute, suspend with 17 mL water.

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States
Made in India

207805
2743720605119
269

Lot No. Exp. Date
Date of reconstitution:

NDC 27437-206-04

Suprax®
Cefixime for Oral Suspension, USP
200 mg/5 mL

When reconstituted, each teaspoonful (5 mL) contains 200 mg of cefixime as the trihydrate.

Rx only
10 mL (when reconstituted)
Lupin Pharma

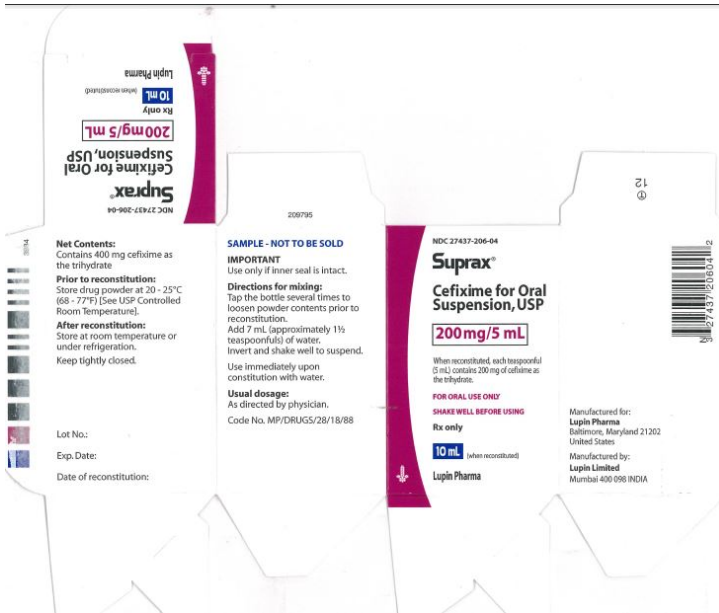
Contains 400 mg cefixime as the trihydrate
Prior to reconstitution: Store drug powder at 20 - 25°C (68 - 77°F) [See USP].
After reconstitution: Store at room temperature or under refrigeration.
Keep tightly closed.
FOR ORAL USE ONLY
SHAKE WELL BEFORE USING
SAMPLE - NOT TO BE SOLD
Code No. MP/DRUGS/28/18/88

IMPORTANT
Use only if inner seal is intact.
Directions for mixing: Add 7 mL (approximately 1½ teaspoonfuls) of water. Use immediately upon constitution with water.
Usual dosage: As directed by physician.

Manufactured for:
Lupin Pharma
Baltimore, Maryland 21202
United States
Made in India

207801
2743720604119
269

Lot No. Exp. Date
Date of reconstitution:



SUPRAX® CEFIXIME FOR ORAL SUSPENSION USP

500 mg/5 mL

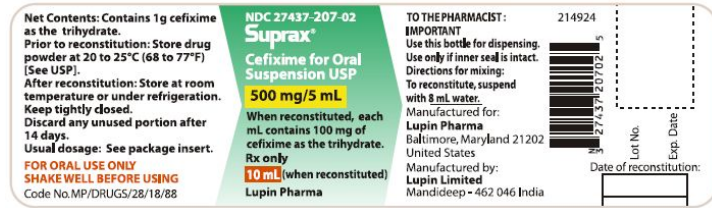
Rx only

NDC 27437-207-02: Bottle of 10 mL

NDC 27437-207-02: Carton for 10 mL

NDC 27437-207-04: Bottle of 10 mL [Physician Sample Pack]


NDC 27437-207-04: Carton for 10 mL [Physician Sample Pack]

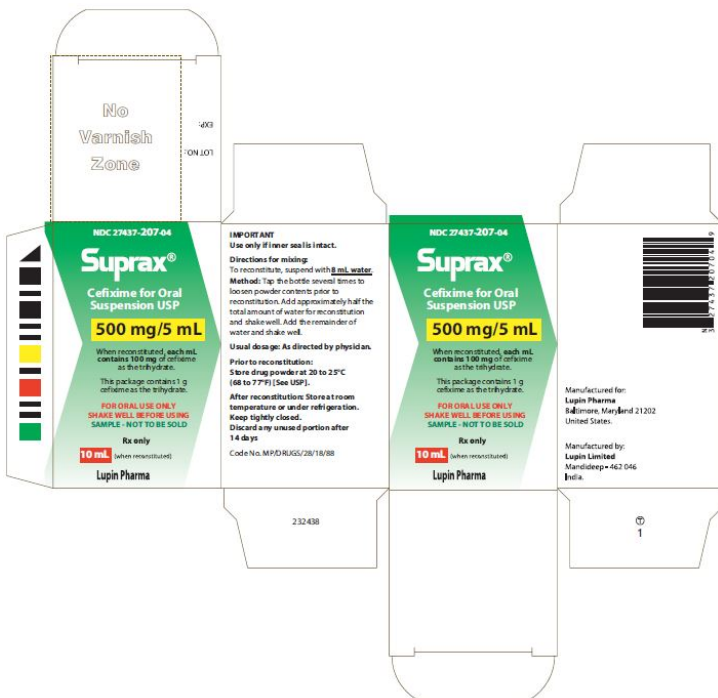


Net Contents: Contains 1g cefixime as the trihydrate.
 Prior to reconstitution: Store drug powder at 20 to 25°C (68 to 77°F) [See USP].
 After reconstitution: Store at room temperature or under refrigeration. Keep tightly closed.
 Discard any unused portion after 14 days.
 Usual dosage: As directed by physician.
SAMPLE - NOT TO BE SOLD FOR ORAL USE ONLY
SHAKE WELL BEFORE USING

NDC 27437-207-04
Suprax®
 Cefixime for Oral Suspension USP
500 mg/5 mL
 When reconstituted, each mL contains 100 mg of cefixime as the trihydrate.
Rx only
10 mL (when reconstituted)
 Lupin Pharma

IMPORTANT
 Use only if inner seal is intact.
 Directions for mixing:
 To reconstitute, suspend with 8 mL water.
 To reconstitute, suspend with 8 mL water.
 Manufactured for:
Lupin Pharma
 Baltimore, Maryland 21202
 United States
 Manufactured by:
Lupin Limited
 Mandideep-462 046 India
 Code No.MP/DRUGS/28/18/88

232437

 Lot No. _____
 Exp. Date _____
 Date of reconstitution: _____



SUPRAX				
cefixime tablet				
Product Information				
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:27437-201	
Route of Administration	ORAL			
Active Ingredient/Active Moiety				
Ingredient Name	Basis of Strength	Strength		
CEFIXIME (UNII: 9711C92E55) (CEFIXIME ANHYDROUS - UNII:XZ.7BG04GX)	CEFIXIME ANHYDROUS	400 mg		
Inactive Ingredients				
Ingredient Name	Strength			
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R3ZD61U)				
DIBASIC CALCIUM PHOSPHATE DIHYDRATE (UNII: O7TSZ97GEP)				
HYPROMELLOSES (UNII: 3NXW29V3WO)				
LACTOSE MONOHYDRATE (UNII: EWQ57Q815X)				
MAGNESIUM STEARATE (UNII: 70097M6i30)				
POLYETHYLENE GLYCOL, UNSPECIFIED (UNII: 3WJQ05DW1A)				
STARCH, CORN (UNII: O8232NY35J)				
TITANIUM DIOXIDE (UNII: 15F1X9V2JP)				
TRICACETIN (UNII: XHX3C3X673)				
Product Characteristics				
Color	WHITE (White to off white)	Score	2 pieces	
Shape	CAPSULE (Capsule shaped tablets with beveled edges)	Size	19mm	
Flavor		Imprint Code	SUPRAX;LUPIN	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:27437-201-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
2	NDC:27437-201-08	50 in 1 BOTTLE; Type 0: Not a Combination Product	04/01/2008	02/29/2016
3	NDC:27437-201-25	1 in 1 CARTON	04/01/2008	02/29/2016
3		2 in 1 BOTTLE; Type 0: Not a Combination Product		
4	NDC:27437-201-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA065130	04/01/2008	

SUPRAX

cefixime capsule

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:27437-208
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
CEFIXIME (UNII: 9711C92E55) (CEFIXIME ANHYDROUS - UNII:XZ7BG04GJX)	CEFIXIME ANHYDROUS	400 mg

Inactive Ingredients

Ingredient Name	Strength
CROSPVIDONE (UNII: 2S7830E561)	
FERRIC OXIDE RED (UNII: 1K09F3G675)	
FERROFERRIC OXIDE (UNII: XM0M87F357)	
GELATIN (UNII: 2G86QN327L)	
HYDROXYPROPYL CELLULOSE, LOW SUBSTITUTED (UNII: 2165RE0K14)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	
POTASSIUM HYDROXIDE (UNII: WZH3C48M4T)	
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
SHELLAC (UNII: 46N107B71O)	
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	
SODIUM LAURYL SULFATE (UNII: 368GB5141J)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	

Product Characteristics

Color	PINK (Pink Opaque Cap) , PINK (Pink Opaque Body)	Score	no score
Shape	CAPSULE	Size	26mm
Flavor		Imprint Code	LU;U43
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:27437-208-02	1 in 1 CARTON	03/15/2013	05/31/2021
1		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		
2	NDC:27437-208-11	1 in 1 CARTON	03/15/2013	06/30/2020
2		10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
3	NDC:27437-208-08	50 in 1 BOTTLE; Type 0: Not a Combination Product	03/15/2013	12/31/2019

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203195	03/15/2013	05/31/2021

SUPRAX

cefixime tablet, chewable

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:27437-203
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
CEFIXIME (UNII: 9711C92E55) (CEFIXIME ANHYDROUS - UNII:XZ7BG04GJX)	CEFIXIME ANHYDROUS	100 mg

Inactive Ingredients

Ingredient Name	Strength
ALUMINUM OXIDE (UNII: LM26O6933)	
ASPARTAME (UNII: Z0H242BBR1)	
CROSPVIDONE (UNII: 2S7830E561)	
FD&C RED NO. 40 (UNII: WZB9127XOA)	
HYDROXYPROPYL CELLULOSE, LOW SUBSTITUTED (UNII: 2165RE0K14)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	

Product Characteristics

Color	PINK (Pink)	Score	no score
Shape	ROUND (Round)	Size	11mm
Flavor	TUTTI FRUTTI	Imprint Code	SUPRAX100;LUPIN

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:27437-203-02	1 in 1 CARTON	01/01/2040	
1		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		
2	NDC:27437-203-11	1 in 1 CARTON	12/05/2012	02/28/2021
2		10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
3	NDC:27437-203-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
4	NDC:27437-203-08	50 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	

Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA065380	12/05/2012	

Product Information				
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:27437-205	
Route of Administration	ORAL			
Active Ingredient/Active Moiety				
Ingredient Name	Basis of Strength	Strength		
CEFIXIME (UNII: 9711C92E55) (CEFIXIME ANHYDROUS - UNII:XZ7BG04GJX)	CEFIXIME ANHYDROUS	200 mg		
Inactive Ingredients				
Ingredient Name	Strength			
ALUMINUM OXIDE (UNII: LMI26O6933)				
ASPARTAME (UNII: Z0H242BBR1)				
CROSPROVIDONE (UNII: 2S7830E561)				
FD&C RED NO. 40 (UNII: VZB9127XOA)				
HYDROXYPROPYL CELLULOSE, LOW SUBSTITUTED (UNII: 2165RE0K14)				
MAGNESIUM STEARATE (UNII: 70097M6I30)				
MANNITOL (UNII: 30WL53L36A)				
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)				
Product Characteristics				
Color	PINK (Pink)	Score	no score	
Shape	ROUND (Round)	Size	14mm	
Flavor	TUTTI FRUTTI	Imprint Code	SUPRAX200;LUPIN	
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:27437-205-02	1 in 1 CARTON	12/05/2012	10/31/2020
1		1 in 1 BLISTER PACK; Type 0: Not a Combination Product		
2	NDC:27437-205-11	1 in 1 CARTON	12/05/2012	02/28/2021
2		10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
3	NDC:27437-205-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
4	NDC:27437-205-08	50 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
Marketing Information				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
ANDA	ANDA065380	12/05/2012		

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:27437-206
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name	Basis of Strength	Strength	
CEFIXIME (UNII: 9711C92E55) (CEFIXIME ANHYDROUS - UNII:XZ7BG04GJX)	CEFIXIME ANHYDROUS	200 mg	in 5 mL
Inactive Ingredients			
Ingredient Name	Strength		

SILICON DIOXIDE (UNII: ETJ7Z6XB04)				
SODIUM BENZOATE (UNII: OJ245FE5EU)				
STRAWBERRY (UNII: 4J2TY8Y81V)				
SUCROSE (UNII: C151H8M554)				
XANTHAN GUM (UNII: TTV12P4NEE)				
Product Characteristics				
Color	WHITE (Off White to Pale Yellow Powder)	Score		
Shape		Size		
Flavor		Imprint Code		
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:27437-206-04	1 in 1 CARTON	06/01/2007	04/30/2017
1		10 mL in 1 BOTTLE; Type 0: Not a Combination Product		
2	NDC:27437-206-05	25 mL in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
3	NDC:27437-206-06	37.5 mL in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
4	NDC:27437-206-03	50 mL in 1 BOTTLE; Type 0: Not a Combination Product	06/01/2007	09/30/2019
5	NDC:27437-206-02	75 mL in 1 BOTTLE; Type 0: Not a Combination Product	06/01/2007	09/30/2019
6	NDC:27437-206-01	100 mL in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2040	
Marketing Information				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
ANDA	ANDA065355	06/01/2007		

SUPRAX				
cefixime powder, for suspension				
Product Information				
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:27437-207	
Route of Administration	ORAL			
Active Ingredient/Active Moiety				
Ingredient Name	Basis of Strength	Strength		
CEFIXIME (UNII: 9711C92E55) (CEFIXIME ANHYDROUS - UNII:XZ7BG04GX)	CEFIXIME ANHYDROUS	500 mg in 5 mL		
Inactive Ingredients				
Ingredient Name	Strength			
SILICON DIOXIDE (UNII: ETJ7Z6XB04)				
SODIUM BENZOATE (UNII: OJ245FE5EU)				
STRAWBERRY (UNII: 4J2TY8Y81V)				
SUCRALOSE (UNII: 96K6UQ3ZD4)				
SUCROSE (UNII: C151H8M554)				
XANTHAN GUM (UNII: TTV12P4NEE)				
Product Characteristics				
Color	WHITE (Off White to cream colored Powder)	Score		
Shape		Size		
Flavor		Imprint Code		
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:27437-207-04	1 in 1 CARTON	03/15/2013	02/29/2016
1		10 mL in 1 BOTTLE; Type 0: Not a Combination Product		
2	NDC:27437-207-02	10 mL in 1 BOTTLE; Type 0: Not a Combination Product	03/15/2013	07/31/2019
3	NDC:27437-207-03	20 mL in 1 BOTTLE; Type 0: Not a Combination Product	03/15/2013	07/31/2019
Marketing Information				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
NDA	NDA202091	03/15/2013	07/31/2019	

Labeler - Lupin Pharmaceuticals, Inc. (089153071)

Registrant - LUPIN LIMITED (675923163)

Establishment			
Name	Address	ID/FEI	Business Operations
LUPIN LIMITED		725504448	MANUFACTURE(27437-201, 27437-203, 27437-205, 27437-206, 27437-207, 27437-208)

