

CEFPODOXIME PROXETIL - cefpodoxime proxetil tablet FELIX PHARMACEUTICALS PRIVATE LIMITED

Cefpodoxime Proxetil Tablets For Oral Use In Dogs Only

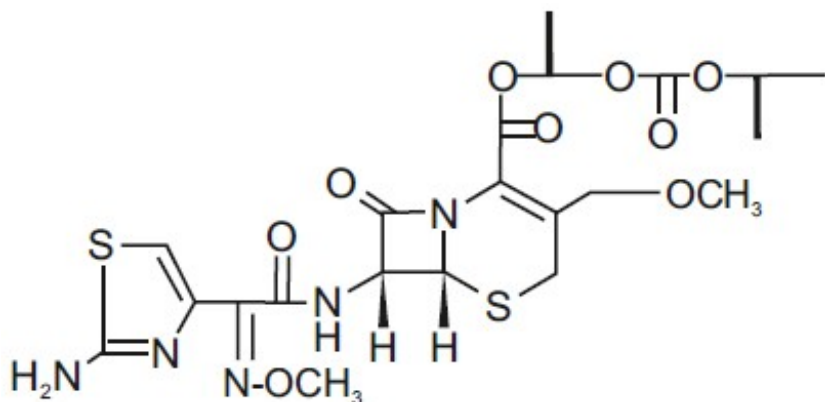
CAUTION

Federal law restricts this drug to use by or on the order of a licensed veterinarian.

DESCRIPTION

Cefpodoxime proxetil is an orally administered, extended spectrum, semi-synthetic cephalosporin antibiotic. The chemical name is: (+/-)-1-Hydroxyethyl(+)-(6R,7R)-7-[2-(2-amino-4-thiazolyl) glyoxylamido]-3-methoxymethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate, 7²-(Z)- (O-methyloxime), isopropyl carbonate (ester) [87239-81-4].

Cefpodoxime proxetil Chemical Structure:



Cefpodoxime proxetil is a prodrug; its active metabolite is cefpodoxime. All doses of Cefpodoxime Proxetil Tablets are expressed in terms of the active cefpodoxime moiety. Cefpodoxime Proxetil Tablets are available as:

100 mg Tablet, each red-colored, oval-shaped, film-coated, scored tablet contains cefpodoxime proxetil equivalent to 100 mg of cefpodoxime.

200 mg Tablet, each orange-colored, oblong-shaped, film-coated, scored tablet contains cefpodoxime proxetil equivalent to 200 mg of cefpodoxime.

INDICATION

Cefpodoxime Proxetil Tablets are indicated for the treatment of skin infections (wounds and abscesses) in dogs caused by susceptible strains of *Staphylococcus pseudintermedius*, *Staphylococcus aureus*, *Streptococcus canis* (group G, β hemolytic), *Escherichia coli*, *Pasteurella multocida*, and *Proteus mirabilis*.

DOSAGE AND ADMINISTRATION

Dose range

The dose range of Cefpodoxime Proxetil Tablets is 5-10 mg/kg (2.3-4.5 mg/lb) body weight, administered orally, once a day. The dose may be given with or without food. The determination of dosage for any particular patient must take into consideration such factors as the severity and nature of the infection, the susceptibility of the causative organisms, and the integrity of the patient's host-defense mechanisms. Obtain a sample of the pathogenic organism for culture and sensitivity testing prior to beginning antimicrobial therapy. Once results become available, continue with appropriate therapy.

Duration

Cefpodoxime Proxetil Tablets should be administered once daily for 5-7 days or for 2-3 days beyond the cessation of clinical signs, up to a maximum of 28 days. Treatment of acute infections should not be continued for more than 3-4 days if no response to therapy is seen.

Dosing Charts

For daily oral administration of Cefpodoxime Proxetil Tablets at 5 mg/kg (Table 1) and 10 mg/kg (Table 2).

Table 1. Dose Table for Cefpodoxime Proxetil Tablets at 5 mg/kg Total Daily Dosage

Weight of Dog (lbs)					
Daily Dose	22	44	66	88	132
No. of 100 mg tablets	0.5	1	1.5		1
No. of 200 mg tablets				1	1

Weight of Dog (kgs)					
Daily Dose	10	20	30	40	60
No. of 100 mg tablets	0.5	1	1.5		1
No. of 200 mg tablets				1	1

Table 2. Dose Table for Cefpodoxime Proxetil Tablets at 10 mg/kg Total Daily Dosage

Weight of Dog (lbs)						
Daily Dose	11	22	44	66	88	132
No. of 100 mg tablets	0.5	1		1		
No. of 200 mg tablets			1	1	2	3

Weight of Dog (kgs)						
Daily Dose	5	10	20	30	40	60
No. of 100 mg tablets	0.5	1		1		
No. of 200 mg tablets			1	1	2	3

CONTRAINDICATIONS

Cefpodoxime proxetil is contraindicated in dogs with known allergy to cefpodoxime or to the β -lactam (penicillins and cephalosporins) group of antibiotics.

WARNINGS

Not for human use. Keep this and all drugs out of reach of children. Antimicrobial drugs, including penicillins and cephalosporins, can cause allergic reactions in sensitized individuals. To minimize the possibility of allergic reactions, those handling such antimicrobials, including cefpodoxime, are advised to avoid direct contact of the product with the skin and mucous membranes.

PRECAUTIONS

The safety of cefpodoxime proxetil in dogs used for breeding, pregnant dogs, or lactating bitches has not been demonstrated. As with other cephalosporins, cefpodoxime proxetil may occasionally induce a positive direct Coombs' test.

ADVERSE REACTIONS

A total of 216 dogs of various breeds and ages ranging from 2 months to 15 years were included in the field study safety analysis. The following table shows the number of dogs displaying each clinical observation.

Table 3. Abnormal Health Findings in the U.S. Field Study*

Clinical Observation	cefpodoxime proxetil tablets (n=118)	Active Control (n=98)
Vomiting	2	4
Diarrhea	1	1
Increased water drinking	0	2
Decreased appetite	1	1

*Dogs may have experienced more than one of the observations during the study.

CONTACT INFORMATION

To report suspected adverse drug events, for technical assistance or to obtain a copy of the Safety Data Sheet, contact Felix Pharmaceuticals Private Limited at 1-833-571-1525.

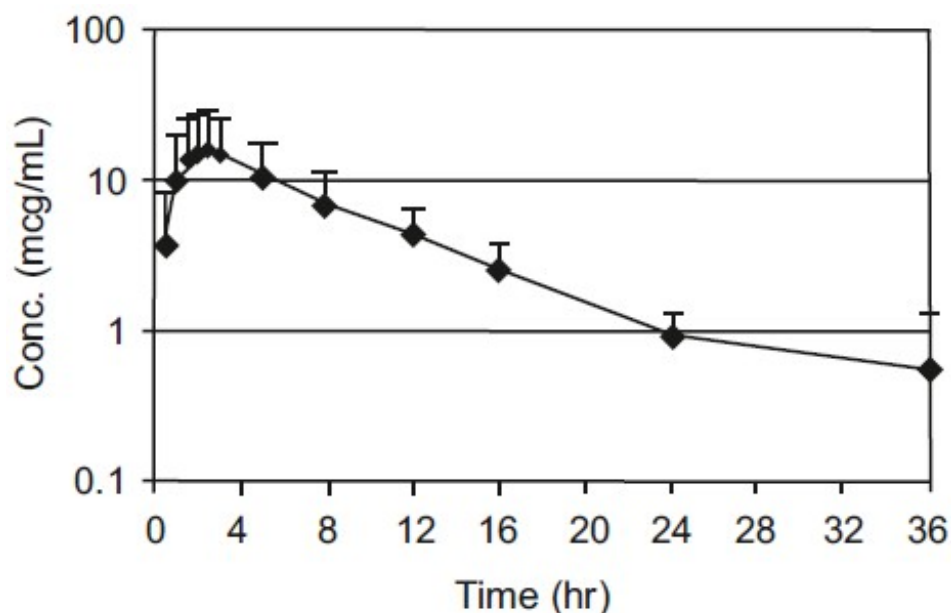
For additional information about adverse drug experience reporting for animal drugs, contact FDA at 1-888- FDA-VETS or <http://www.fda.gov/reportanimalae>

CLINICAL PHARMACOLOGY

Pharmacokinetics/Pharmacodynamics

Cefpodoxime proxetil is a prodrug that is absorbed from and de-esterified in the gastrointestinal tract to its active metabolite, cefpodoxime. Following oral administration to fasting Beagles, oral bioavailability was $63.1 \pm 5.3\%$.

Figure 1. Canine Plasma Concentration of Cefpodoxime After a Single Oral Dose of 10 mg/kg cefpodoxime proxetil tablets



Cefpodoxime is distributed in the body with an apparent volume of distribution of 151 ± 27 mL/kg. Like other β -lactam antibiotics, cefpodoxime is eliminated from the body primarily in the urine, with an apparent elimination half-life of approximately 5-6 hours after oral administration. This is similar to the 4.7 hour apparent elimination half-life observed after intravenous dosing. Following intravenous administration of 10 mg/kg, the average total body clearance (Cl_B) was 22.7 ± 4.19 mL/hr/kg.

Table 4. Summary of Pharmacokinetic Parameters Obtained after a Single Oral Dose of 10 mg Cefpodoxime/kg BW, Administered as a Tablet

PK Parameter	Unit	Tablet (SD)
$AUC_{0-\infty}$	mcg•hr/mL	145 (77.6)
AUC_{0-LOQ}	mcg•hr/mL	142 (77.5)
Maximum concentration (C_{max})	mcg/mL	16.4 (11.8)
Terminal plasma elimination half-life ($t_{1/2,Z}$)	hr	5.61 (1.15)
Time of maximum concentration (t_{max})	hr	2.21 (0.542)
Mean residence time ($MRT_{0-\infty}$)	hr	9.21 (1.97)

Microbiology

Like other β -lactam antibiotics, cefpodoxime exerts its inhibitory effect by interfering with bacterial cell wall synthesis. This interference is primarily due to its covalently binding to the penicillin-binding proteins (PBPs) (i.e. transpeptidase and/or carboxypeptidase), which are essential for synthesis of the bacterial cell wall. Therefore, cefpodoxime is bactericidal. Cefpodoxime is stable in the presence of many common β -

lactamase enzymes. As a result, many organisms resistant to other β -lactam antibiotics (penicillins and some cephalosporins) due to the production of β -lactamases may be susceptible to cefpodoxime.

Cefpodoxime has a broad spectrum of clinically useful antibacterial activity that includes staphylococci, streptococci, and Gram-negative species (including *Pasteurella*, *Escherichia*, and *Proteus*). The compound is not active against most obligate anaerobes, *Pseudomonas* spp., or enterococci. The minimum inhibitory concentrations (MICs) for cefpodoxime against Gram-positive and Gram-negative pathogens isolated from canine skin infections (wounds and abscesses) in a 2002 U.S. field study are presented in Table 5. All MICs were determined in accordance with the National Committee for Clinical Laboratory Standards (NCCLS). Appropriate quality control (QC) ranges for *in vitro* susceptibility testing are presented in Table 6.

Table 5. Cefpodoxime Minimum Inhibitory Concentration Values (mcg/mL) from a 2002 Field Study Evaluating Skin Infections (wounds and abscesses) of Canines in the United States.

Organism*	# of Isolates	MIC ₅₀	MIC ₉₀	Range
<i>Staphylococcus pseudintermedius</i>	118	0.12	0.50	0.12->32.0
<i>Streptococcus canis</i> (group G, β hemolytic)	33	≤ 0.03	≤ 0.03	$\leq 0.03^\dagger$
<i>Escherichia coli</i>	41	0.25	0.50	0.12->32.0
<i>Pasteurella multocida</i>	32	≤ 0.03	≤ 0.03	≤ 0.03 -0.12
<i>Proteus mirabilis</i>	14	≤ 0.03	0.06	≤ 0.03 -0.06
<i>Staphylococcus aureus</i>	19	2.0	2.0	0.12-2.0

* Veterinary specific interpretive criteria have not been established for the above listed canine pathogens by the NCCLS at this time.

† No Range, all isolates yielded the same value.

Table 6. Acceptable Quality Control Ranges for Cefpodoxime

QC ATCC strain	KB Disk Diffusion Method		Broth Micro-dilution Method
	Drug concentration	Zone diameter	MIC
<i>Escherichia coli</i> 25922	10 mcg	23-28 mm*	0.25-1 mcg/mL*
<i>Staphylococcus aureus</i>	10 mcg	10-25 mm*	

25923	10 mcg	19-25 mm†	
<i>Staphylococcus aureus</i> 29213			1-8 mcg/mL*
<i>Streptococcus pneumoniae</i> 49619	10 mcg	28-34 mm†	0.03-0.12 mcg/mL†

*These ranges are for quality control strains used to monitor accuracy of minimum inhibitory concentrations (MICs) of non-fastidious organisms using cation-adjusted Mueller-Hinton agar or broth medium. The dilution range should encompass the QC ranges of these strains in the broth micro-dilution method.

†These ranges are for quality control strains used to monitor accuracy of minimum inhibitory concentrations (MICs) of fastidious organisms. When susceptibility testing is performed for *Streptococcus canis* (group G, β hemolytic), *Streptococcus pneumoniae* ATCC 49619 should be included as a QC strain in the presence of 5% lysed sheep blood (KB disk diffusion method) or 2.5% lysed horse blood (broth micro-dilution method).

EFFECTIVENESS

The clinical effectiveness of cefpodoxime proxetil tablets was established in a multi-location (23 site) field study. In this study, 216 dogs with infected wounds or abscesses were treated with either cefpodoxime proxetil tablets (n=118) once daily at 5 mg/kg (2.3 mg/lb) body weight or with an active control antibiotic (n=98) administered twice daily for 5-7 days. In this study, cefpodoxime proxetil tablets were considered noninferior to the active control (88.7% versus 88.4% respectively) in the treatment of canine skin infections (wounds and abscesses) caused by susceptible strains of *Staphylococcus pseudintermedius*, *Staphylococcus aureus*, *Streptococcus canis* (group G, β hemolytic), *Escherichia coli*, *Pasteurella multocida*, and *Proteus mirabilis*.

ANIMAL SAFETY

In target animal safety studies, cefpodoxime was well tolerated at exaggerated daily oral doses of 100 mg/kg/day (10 times the maximum label dose) for 13 weeks in adult dogs and for 28 days in puppies (18-23 days of age). Therefore, once daily administration of cefpodoxime oral tablets at the maximum labeled dose of 10 mg/kg for up to 28 days was shown to be safe in adult dogs and puppies.

Blood dyscrasia including neutropenias, may be seen following high doses of cephalosporins. Cephalosporin administration should be discontinued in such cases.

STORAGE INFORMATION

Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (between 59° and 86°F) [see USP Controlled Room Temperature]. Dispense in tight, light-resistant container. Replace cap securely after each opening.

HOW SUPPLIED

Cefpodoxime Proxetil Tablets are available in the following strengths (cefpodoxime equivalent), colors, and sizes:

100 mg (Red-colored, oval-shaped, film-coated tablet, debossed with "F" & "3" on either side of score line on one side of tablets and "1" & "00" on either side of score line on other side of the tablet.)

Bottles of 100	NDC 86101-033-71
Bottles of 250	NDC 86101-033-76

200 mg (Orange-colored, oblong-shaped, film-coated tablet, debossed with "F" & "3" on either side of score line on one side of tablets and "2" & "00" on either side of score line on other side of the tablet.)

Bottles of 100	NDC 86101-034-71
Bottles of 250	NDC 86101-034-76

Approved by FDA under ANADA # 200-815

Distributed by: Felixvet Inc.,
1300 NW Briarcliff Parkway,
Suite 100, Kansas City,
Missouri 64150

Manufactured in India

Neutral Code No. HP/DRUGS/06/110

Rev. May 2025

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC: 86101-033-71

100 Tablets

Cefpodoxime Proxetil Tablets

100 mg

Antimicrobial For Oral Use in Dogs Only

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Approved by FDA under ANADA # 200-815

 NVZ: 40x18mm	NDC: 86101-033-71	100 Tablets	 3 86101 03371 1
	Cefpodoxime Proxetil Tablets 100 mg Antimicrobial For Oral Use in Dogs Only Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian. Felix Approved by FDA under ANADA # 200-815		
Neutral Code No. HP/DRUGS/06/110 Distributed by: Felixvet Inc., 1300 NW Briarcliff Parkway, Suite 100, Kansas City, Missouri 64150 Manufactured in India	2000015910	Rev. May 2025	Dosage: 5 - 10 mg/kg (2.3 - 4.5 mg/lb) body weight, administered orally, once daily. See package insert for complete product information. Warning: Not for human use. Keep this and all drugs out of reach of children. Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (between 59° and 86°F) [see USP Controlled Room Temperature]. Dispense in tight, light-resistant container. Replace cap securely after each opening. Each tablet contains: cefpodoxime proxetil USP equivalent to 100 mg cefpodoxime.

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC: 86101-033-76

250 Tablets

Cefpodoxime Proxetil Tablets

100 mg

Antimicrobial For Oral Use in Dogs Only

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Approved by FDA under ANADA # 200-815

 NVZ: 45x18mm	NDC: 86101-033-76	250 Tablets	 3 86101 03376 6
	Cefpodoxime Proxetil Tablets 100 mg Antimicrobial For Oral Use in Dogs Only Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian. Felix Approved by FDA under ANADA # 200-815		
Neutral Code No. HP/DRUGS/06/110 Distributed by: Felixvet Inc., 1300 NW Briarcliff Parkway, Suite 100, Kansas City, Missouri 64150 Manufactured in India	2000015911	Rev. May 2025	Dosage: 5 - 10 mg/kg (2.3 - 4.5 mg/lb) body weight, administered orally, once daily. See package insert for complete product information. Warning: Not for human use. Keep this and all drugs out of reach of children. Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (between 59° and 86°F) [see USP Controlled Room Temperature]. Dispense in tight, light-resistant container. Replace cap securely after each opening. Each tablet contains: cefpodoxime proxetil USP equivalent to 100 mg cefpodoxime.

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC: 86101-034-71

100 Tablets

Cefpodoxime Proxetil Tablets

200 mg

Antimicrobial For Oral Use in Dogs Only

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Approved by FDA under ANADA # 200-815

NVZ: 40x18mm

Neutral Code No. HP/DRUGS/06/110
Distributed by: Felixvet Inc.,
1300 NW Briarcliff Parkway,
Suite 100, Kansas City,
Missouri 64150
Manufactured in India

2000015912

Rev. May 2025

NDC: 86101-034-71 100 Tablets

**Cefpodoxime
Proxetil Tablets**
200 mg

Antimicrobial For Oral Use in Dogs Only

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Felix

Approved by FDA under ANADA # 200-815

Dosage: 5 - 10 mg/kg (2.3 - 4.5 mg/lb) body weight, administered orally, once daily.
See package insert for complete product information.

Warning: Not for human use. Keep this and all drugs out of reach of children. Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (between 59° and 86°F) [see USP Controlled Room Temperature]. Dispense in tight, light-resistant container. Replace cap securely after each opening.

Each tablet contains: cefpodoxime proxetil USP equivalent to 200 mg cefpodoxime.

3 86101 03471 8

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

NDC: 86101-034-76

250 Tablets

Cefpodoxime Proxetil Tablets

200 mg

Antimicrobial For Oral Use in Dogs Only

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Approved by FDA under ANADA # 200-815



NDC: 86101-034-76

250 Tablets

Dosage: 5 - 10 mg/kg (2.3 - 4.5 mg/lb) body weight, administered orally, once daily.

NVZ: 40x18mm

Cefpodoxime Proxetil Tablets

200 mg

Antimicrobial For Oral Use in Dogs Only

Caution: Federal law restricts this drug to use by or on the order of a licensed veterinarian.

Felix

Approved by FDA under ANADA # 200-815

See package insert for complete product information.

Warning: Not for human use. Keep this and all drugs out of reach of children. Store at 20° to 25°C (68° to 77°F); excursions permitted between 15° and 30°C (between 59° and 86°F) [see USP Controlled Room Temperature]. Dispense in tight, light-resistant container. Replace cap securely after each opening.

Each tablet contains: cefpodoxime proxetil USP equivalent to 200 mg cefpodoxime.

Neutral Code No. HP/DRUGS/06/110

Distributed by: Felixvet Inc.,
1300 NW Briarcliff Parkway,
Suite 100, Kansas City,
Missouri 64150

Manufactured in India

Rev. May 2025
2000015913



CEFPODOXIME PROXETIL

cefpodoxime proxetil tablet

Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:86101-033
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
CEFPODOXIME PROXETIL (UNII: 2TB00A1Z 7N) (CEFPODOXIME - UNII: 7R4F94TVGY)	CEFPODOXIME	100 mg

Product Characteristics

Color	RED	Score	2 pieces
Shape	OVAL	Size	11mm
Flavor		Imprint Code	F;3;1;00
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:86101-033-71	100 in 1 BOTTLE		
2	NDC:86101-033-76	250 in 1 BOTTLE		

Marketing Information

Marketing	Application Number or Monograph	Marketing Start	Marketing End
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Category	Citation	Date	Date
ANADA	ANADA200815	07/22/2025	

CEFPODOXIME PROXETIL

cefepodoxime proxetil tablet

Product Information

Product Type	PRESCRIPTION ANIMAL DRUG	Item Code (Source)	NDC:86101-034
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
CEFPODOXIME PROXETIL (UNII: 2TB00A1Z7N) (CEFPODOXIME - UNII:7R4F94TVGY)	CEFPODOXIME	200 mg

Product Characteristics

Color	ORANGE	Score	2 pieces
Shape	OVAL (Oblong)	Size	16mm
Flavor		Imprint Code	F;3;2;00
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:86101-034-71	100 in 1 BOTTLE		
2	NDC:86101-034-76	250 in 1 BOTTLE		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANADA	ANADA200815	07/22/2025	

Labeler - FELIX PHARMACEUTICALS PRIVATE LIMITED (985612369)

Registrant - FELIX PHARMACEUTICALS PRIVATE LIMITED (985612369)