

**ZENPEP- pancrelipase lipase, pancrelipase protease, pancrelipase  
amylase capsule, delayed release  
Aimmune Therapeutics, Inc.**

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**HIGHLIGHTS OF PRESCRIBING INFORMATION**

**These highlights do not include all the information needed to use ZENPEP safely and effectively. See full prescribing information for ZENPEP.**

**ZENPEP® (pancrelipase) delayed-release capsules, for oral use  
Initial U.S. Approval: 2009**

----- **INDICATIONS AND USAGE** -----

ZENPEP® is indicated for the treatment of exocrine pancreatic insufficiency in adult and pediatric patients.  
(1)

----- **DOSAGE AND ADMINISTRATION** -----

Important Dosing Information (2.1)

- ZENPEP is a mixture of enzymes including lipases, proteases, and amylases and dosing is based on lipase units. Dosing scheme based on actual body weight or fat ingestion.
- Individualize the dosage based on clinical symptoms, the degree of steatorrhea present, and the fat content of the diet.
- Do not exceed 2,500 lipase units/kg/meal, 10,000 lipase units/kg/day, or 4,000 lipase units/g fat ingested/day in adult and pediatric patients greater than 12 months of age without further investigation. (5.1)
- The total daily dosage in adult and pediatric patients greater than 12 months of age should reflect approximately three meals plus two or three snacks per day. With each snack, administer approximately half the prescribed dose for a meal.
- Do not substitute other pancreatic enzyme products for ZENPEP. When switching from another pancreatic enzyme product to ZENPEP, monitor patients for clinical symptoms of exocrine pancreatic insufficiency and titrate the dosage as needed.

Recommended Dosage (2.2)

*Adult and Pediatric Patients Greater than 12 Months:* The recommended initial starting dosage is:

- 500 lipase units/kg/meal for adult and pediatric patients 4 years of age and older.
- 1,000 lipase units/kg/meal for pediatric patients greater than 12 months of age to less than 4 years of age.
- Titrate to either 2,500 lipase units/kg/meal, 10,000 lipase units/kg/day, or 4,000 lipase units/g fat ingested/day. Higher dosages may be administered if documented effective by fecal fat measures or improvement in malabsorption.

*Pediatric Patients Birth to 12 Months:* The recommended dosage is 3,000 lipase units (one capsule) per 120 mL of formula or per breastfeeding.

Preparation and Administration Instructions (2.3)

- Swallow capsules whole. For patients unable to swallow intact capsule(s), the capsule contents may be sprinkled on soft acidic food (e.g., applesauce, bananas, pears).
- Do not crush or chew ZENPEP capsules or capsule contents.
- Consume sufficient liquids to ensure complete swallowing of ZENPEP. (5.2)
- See the full prescribing information for additional information on administering to pediatric patients birth to 12 months. (2.3)

----- **DOSAGE FORMS AND STRENGTHS** -----

Delayed-Release Capsules (3):

- 3,000 USP units of lipase; 10,000 USP units of protease; and 14,000 USP units of amylase
- 5,000 USP units of lipase; 17,000 USP units of protease; and 24,000 USP units of amylase
- 10,000 USP units of lipase; 32,000 USP units of protease; and 42,000 USP units of amylase
- 15,000 USP units of lipase; 47,000 USP units of protease; and 63,000 USP units of amylase
- 20,000 USP units of lipase; 63,000 USP units of protease; and 84,000 USP units of amylase
- 25,000 USP units of lipase; 79,000 USP units of protease; and 105,000 USP units of amylase
- 40,000 USP units of lipase; 126,000 USP units of protease; and 168,000 USP units of amylase

- 60,000 USP units of lipase; 189,600 USP units of protease; and 252,600 USP units of amylase

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#### CONTRAINDICATIONS

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None (4)

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#### WARNINGS AND PRECAUTIONS

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- Fibrosing Colonopathy: Associated with high doses, usually over prolonged use and in pediatric patients with cystic fibrosis. Colonic stricture reported in pediatric patients less than 12 years of age with dosages exceeding 6,000 lipase units/kg/meal. Monitor during treatment for progression of preexisting disease. Do not exceed the recommended dosage, unless clinically indicated. (2.1, 5.1)
- Irritation of the Oral Mucosa: May occur due to loss of protective enteric coating on the capsule contents. (2.3, 5.2)
- Hyperuricemia: Reported with high dosages; consider monitoring blood uric acid levels in patients with gout, renal impairment, or hyperuricemia. (5.3)
- Risk of Viral Transmission: The presence of porcine viruses that might infect humans cannot be definitely excluded. (5.4)
- Hypersensitivity Reactions: Monitor patients with known reactions to proteins of porcine origin. If symptoms occur, initiate appropriate medical management; consider the risks and benefits of continued treatment. (5.5)

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#### ADVERSE REACTIONS

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Most common adverse reactions ( $\geq 6\%$ ) are: headache, contusion, cough, and early satiety. (6.1)

**To report SUSPECTED ADVERSE REACTIONS, contact Aimmune Therapeutics, Inc at 1-833-AIM2KNO (1-833-246-2566) or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch). See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.**

**Revised: 7/2025**

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## **FULL PRESCRIBING INFORMATION**

### **1 INDICATIONS AND USAGE**

ZENPEP<sup>®</sup> is indicated for the treatment of exocrine pancreatic insufficiency in adult and pediatric patients.

### **2 DOSAGE AND ADMINISTRATION**

#### **2.1 Important Dosing Information**

ZENPEP is a mixture of enzymes including lipases, proteases, and amylases. ZENPEP dosing is based on lipase units.

- Use either an actual body weight or fat ingestion-based dosing scheme.
- Start at the lowest recommended dosage and individualize the dosage based on clinical symptoms, the degree of steatorrhea present, and the fat content of the diet. Changes in dosage may require an adjustment period of several days.
- Do not exceed 2,500 lipase units/kg/meal, 10,000 lipase units/kg/day, or 4,000 lipase units/g fat ingested/day in adult and pediatric patients greater than 12 months of age without further investigation [*see Warnings and Precautions (5.1)*].
- The total daily dosage in adult and pediatric patients greater than 12 months of age should reflect approximately three meals plus two or three snacks per day. With each snack, administer approximately half the prescribed ZENPEP dose for a meal.
- Do not substitute other pancreatic enzyme products for ZENPEP. When switching from another pancreatic enzyme product to ZENPEP, monitor patients for clinical symptoms of exocrine pancreatic insufficiency and titrate the dosage as needed.

#### **2.2 Recommended Dosage**

##### Adult and Pediatric Patients Greater than 12 Months of Age

The recommended oral initial starting dosage is:

- 500 lipase units/kg/meal for adult and pediatric patients 4 years of age and older.
- 1,000 lipase units/kg/meal for pediatric patients greater than 12 months of age to less than 4 years of age.

If signs and symptoms of malabsorption persist, increase the dosage. Titrate to either 2,500 lipase units/kg/meal, 10,000 lipase units/kg/day, or less than 4,000 lipase

units/grams of fat ingested/day. Higher dosages may be administered if they are documented to be effective by fecal fat measures or an improvement in signs or symptoms of malabsorption including measures of nutritional status.

### Pediatric Patients Birth to 12 Months of Age

The recommended oral dosage is 3,000 lipase units per 120 mL of formula or per breast-feeding.

## **2.3 Preparation and Administration Instructions**

Instruct adult and pediatric patients greater than 12 months of age, or their caregivers, of the following:

- Take ZENPEP during meals or snacks. If a dose is missed, take the next dose with the next meal or snack.
- Swallow capsules whole.
- For patients who are unable to swallow intact capsules, carefully open the capsules and sprinkle the entire contents on a small amount of acidic soft food with a pH of 4.5 or less (e.g., commercially available preparations of applesauce, bananas, or pears). Consume the entire mixture immediately.
- Do not crush or chew ZENPEP capsules or capsule contents.
- Consume sufficient liquids (water or juice) to ensure complete swallowing of ZENPEP [see *Warnings and Precautions (5.2)*].

Instruct caregivers of pediatric patients birth to 12 months of age of the following:

- Immediately prior to each breast-feeding session or each administration of 120 mL of formula, carefully open one ZENPEP capsule (containing 3,000 USP units of lipase) and administer the entire contents using one of the following two methods:
  - Sprinkle on a small amount of acidic soft food with a pH of 4.5 or less (e.g., commercially available preparations of applesauce, bananas or pears) being careful not to crush the capsule contents. The entire mixture should be given to the infant immediately.
  - Sprinkle the capsule contents directly into the infant's mouth.
- Immediately administer additional breast milk or formula after ZENPEP to ensure complete swallowing of the capsule contents.
- Do not mix the ZENPEP capsule contents directly into a bottle of breast milk or formula.
- Do not crush ZENPEP capsule contents, and visually inspect the infant's mouth to ensure that no drug is retained in the mouth [see *Warnings and Precautions (5.2)*].
- If a dose is missed, administer the next dose with the next feeding.

## **3 DOSAGE FORMS AND STRENGTHS**

Delayed-release capsules are available in the following strengths:

- 3,000 USP units of lipase; 10,000 USP units of protease; and 14,000 USP units of amylase in a two-piece hypromellose capsule with a white opaque cap and white opaque body, and red imprint with "APTALIS 3"
- 5,000 USP units of lipase; 17,000 USP units of protease; and 24,000 USP units of amylase in a two-piece hypromellose capsule with a white opaque cap and white opaque body, and blue imprint with "APTALIS 5"

- 10,000 USP units of lipase; 32,000 USP units of protease; and 42,000 USP units of amylase in a two-piece hypromellose capsule with a yellow opaque cap and white opaque body, and blue imprint with "APTALIS 10"
- 15,000 USP units of lipase; 47,000 USP units of protease; and 63,000 USP units of amylase in a two-piece hypromellose capsule with a red opaque cap and white opaque body, and blue imprint with "APTALIS 15"
- 20,000 USP units of lipase; 63,000 USP units of protease; and 84,000 USP units of amylase in a two-piece hypromellose capsule with a green opaque cap and white opaque body, and blue imprint with "APTALIS 20"
- 25,000 USP units of lipase; 79,000 USP units of protease; and 105,000 USP units of amylase in a two-piece hypromellose capsule with a blue opaque cap and white opaque body, and blue imprint with "APTALIS 25"
- 40,000 USP units of lipase; 126,000 USP units of protease; and 168,000 USP units of amylase in a two-piece hypromellose capsule with an orange opaque cap and white opaque body, and blue imprint with "APTALIS 40"
- 60,000 USP units of lipase; 189,600 USP units of protease; 252,600 USP units of amylase. Capsules have a powder blue opaque cap with two black stripes and white opaque body, black imprint with "APTALIS 60"

## 4 CONTRAINDICATIONS

None.

## 5 WARNINGS AND PRECAUTIONS

### 5.1 Fibrosing Colonopathy

Fibrosing colonopathy has been reported following treatment with pancreatic enzyme products. Fibrosing colonopathy is a rare serious adverse reaction initially described in association with use of high-dose pancreatic enzyme products, usually with use over a prolonged period of time and most commonly reported in pediatric patients with cystic fibrosis. Pancreatic enzyme products exceeding 6,000 lipase units/kg/meal have been associated with colonic stricture, a complication of fibrosing colonopathy, in pediatric patients less than 12 years of age. The underlying mechanism of fibrosing colonopathy remains unknown.

If there is a history of fibrosing colonopathy, monitor patients during treatment with ZENPEP because some patients may be at risk of progressing to colonic stricture formation. It is uncertain whether regression of fibrosing colonopathy occurs. Do not exceed the recommended dosage of either 2,500 lipase units/kg/meal, 10,000 lipase units/kg/day, or 4,000 lipase units/g fat ingested/day in adult and pediatric patients greater than 12 months of age without further investigation. Higher dosages may be administered if they are documented to be effective by fecal fat measures or an improvement in signs or symptoms of malabsorption including measures of nutritional status. Patients receiving dosages higher than 6,000 lipase units/kg/meal should be frequently monitored for symptoms of fibrosing colonopathy and the dosage decreased or titrated downward to a lower range if clinically appropriate [see *Dosage and Administration (2.1)*].

## 5.2 Irritation of the Oral Mucosa

Crushing or chewing ZENPEP capsules or mixing the capsule contents in foods having a pH greater than 4.5 can disrupt the protective enteric coating on the capsule contents and result in early release of enzymes, irritation of the oral mucosa, and/or loss of enzyme activity.

Instruct the patient or caregiver of the following:

- Swallow capsules whole. For patients who cannot swallow the capsules whole, the capsules can be opened, and the contents sprinkled on a small amount of acidic soft food with a pH of 4.5 or less (e.g., commercially available preparations of applesauce, bananas or pears).
- Do not crush or chew ZENPEP capsules or capsule contents.
- Consume sufficient liquids (juice, water, breast milk, or formula) immediately following administration of ZENPEP to ensure complete swallowing.
- Visually inspect the mouth of pediatric patients less than 12 months of age and of patients who are unable to swallow intact capsules to ensure no drug is retained in the mouth and irritation of the oral mucosa has not occurred [*see Dosage and Administration (2.3)*].

## 5.3 Hyperuricemia

Pancreatic enzyme products contain purines that may increase blood uric acid levels. High dosages have been associated with hyperuricosuria and hyperuricemia [*see Overdosage (10)*]. Consider monitoring blood uric acid levels in patients with gout, renal impairment, or hyperuricemia during treatment with ZENPEP.

## 5.4 Risk of Viral Transmission

ZENPEP is sourced from pancreatic tissue from swine used for food consumption. Although the risk that ZENPEP will transmit an infectious agent to humans has been reduced by testing for certain viruses during manufacturing and by inactivating certain viruses during manufacturing, there is a theoretical risk for transmission of viral disease, including diseases caused by novel or unidentified viruses. Thus, the presence of porcine viruses that might infect humans cannot be definitely excluded. However, no cases of transmission of an infectious illness associated with the use of porcine pancreatic extracts have been reported.

## 5.5 Hypersensitivity Reactions

Severe hypersensitivity reactions including anaphylaxis, asthma, hives, and pruritus have been reported with pancreatic enzyme products [*see Adverse Reactions (6.2)*]. If symptoms occur, initiate appropriate medical management.

Monitor patients with a known hypersensitivity reaction to proteins of porcine origin for hypersensitivity reactions during treatment with ZENPEP. The risks and benefits of continued ZENPEP treatment in patients with severe hypersensitivity reactions should be taken into consideration with the overall clinical needs of the patient.

## 6 ADVERSE REACTIONS

The following serious or otherwise important adverse reactions are described elsewhere

in the labeling:

- Fibrosing Colonopathy [see Warnings and Precautions (5.1)]
- Irritation of the Oral Mucosa [see Warnings and Precautions (5.2)]
- Hyperuricemia [see Warnings and Precautions (5.3)]
- Risk of Viral Transmission [see Warnings and Precautions (5.4)]
- Hypersensitivity Reactions [see Warnings and Precautions (5.5)]

## 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 the rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

The data described below reflect exposure to ZENPEP in 53 adult and pediatric patients with exocrine pancreatic insufficiency due to cystic fibrosis in two clinical trials conducted [see *Clinical Studies (14)*]. In both trials, ZENPEP was administered at dosages of approximately 5,000 lipase units/kg/day for 19 to 42 days.

Study 1 was a randomized, double-blind, placebo-controlled, crossover study of 34 adult and pediatric patients, aged 7 to 23 years. Adverse reactions that were reported in at least 2 ZENPEP-treated patients (greater than or equal to 6%) and at a higher rate than in placebo-treated patients in Study 1 are shown in Table 1.

**Table 1: Adverse Reactions\* in a Clinical Trial of Adult and Pediatric Patients 7 Years of Age and Older with Exocrine Pancreatic Insufficiency due to Cystic Fibrosis (Study 1)**

<b>Adverse Reaction</b>	<b>ZENPEP N=34 n (%)</b>	<b>Placebo N=32 n (%)</b>
Headache	5 (15%)	0
Contusion	2 (6%)	0
Cough	2 (6%)	0
Early Satiety	2 (6%)	0

\* Reported in at least 2 ZENPEP-treated patients (greater than or equal to 6%) and at a higher rate than placebo-treated patients.

Study 2 was an open-label, uncontrolled study of ZENPEP in 19 pediatric patients aged 1 to 6 years. The most commonly reported adverse reactions were gastrointestinal, including abdominal pain and steatorrhea.

The type and incidence of adverse reactions in Studies 1 and 2 were similar between pediatric patients and adults.

## 6.2 Postmarketing Experience

The following adverse reactions have been identified during post-approval use of ZENPEP or other pancreatic enzyme products. 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.

### Eye Disorders

- blurred vision

### Gastrointestinal Disorders

- fibrosing colonopathy and distal intestinal obstruction syndrome
- abdominal distension, abdominal pain, diarrhea, flatulence, constipation, and nausea

### Immune System Disorders

- anaphylaxis, asthma, hives and pruritis

### Investigations

- asymptomatic elevations of liver enzymes

### Musculoskeletal System

- myalgia, muscle spasm

### Skin and Subcutaneous Tissue Disorders

- urticaria and rash

## **8 USE IN SPECIFIC POPULATIONS**

### **8.1 Pregnancy**

#### Risk Summary

Published data from case reports with pancrelipase use in pregnant women have not identified a drug-associated risk of major birth defects, miscarriage or other adverse maternal or fetal outcomes. Pancrelipase is minimally absorbed systemically; therefore, maternal use is not expected to result in fetal exposure to the drug. Animal reproduction studies have not been conducted with pancrelipase.

The 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 risk of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively.

### **8.2 Lactation**

#### Risk Summary

There are no data on the presence of pancrelipase in either human or animal milk, the effects on the breastfed infant or the effects on milk production. Pancrelipase is minimally absorbed systemically following oral administration, therefore maternal use is not expected to result in clinically relevant exposure of breastfed infants to the drug. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for ZENPEP and any potential adverse effects on the breastfed infant from ZENPEP or from the underlying maternal conditions.

## 8.4 Pediatric Use

The safety and effectiveness of ZENPEP for the treatment of exocrine pancreatic insufficiency have been established in pediatric patients.

Use of ZENPEP for this indication is supported by an adequate and well-controlled trial in adult and pediatric patients 7 to 17 years of age (Study 1) along with supportive data from an open-label, single arm study in 19 pediatric patients 1 to 6 years of age (Study 2). Both study populations consisted of patients with exocrine pancreatic insufficiency due to cystic fibrosis. The safety in pediatric patients in Studies 1 and 2 were similar to that observed in adult patients [see *Adverse Reactions (6.1) and Clinical Studies (14)*].

Dosages exceeding 6,000 lipase units/kg/meal have been reported postmarketing to be associated with fibrosing colonopathy and colonic strictures in pediatric patients less than 12 years of age. If there is a history of fibrosing colonopathy, monitor patients during treatment with ZENPEP because some patients may be at risk of progressing to stricture formation. Do not exceed the recommended dosage of either 2,500 lipase units/kg/meal, 10,000 lipase units/kg/day, or 4,000 lipase units/g fat ingested/day in pediatric patients greater than 12 months of age without further investigation. [see *Dosage and Administration (2.2) and Warnings and Precautions (5.1)*].

Crushing or chewing ZENPEP capsules or mixing the capsule contents in foods having a pH greater than 4.5 can disrupt the protective enteric coating on the capsule contents and result in early release of enzymes, irritation of the oral mucosa, and/or loss of enzyme activity. Instruct the patient or caregiver of the following: consume sufficient liquids (juice, water, breast milk, or formula) to ensure complete swallowing, and visually inspect the mouth of pediatric patients less than 12 months of age to ensure that no drug is retained in the mouth and irritation of the oral mucosa has not occurred [see *Dosage and Administration (2.3) and Warnings and Precautions (5.2)*].

## 8.5 Geriatric Use

Clinical studies of ZENPEP did not include sufficient numbers of patients aged 65 years and over to determine whether they respond differently from younger patients. Other reported clinical experience has not identified differences in responses between patients aged 65 years and over and younger adult patients.

## 10 OVERDOSAGE

Chronic high dosages of pancreatic enzyme products have been associated with fibrosing colonopathy and colonic strictures [see *Warnings and Precautions (5.1)*]. High dosages of pancreatic enzyme products have been associated with hyperuricosuria and hyperuricemia [see *Warnings and Precautions (5.3)*].

## 11 DESCRIPTION

Pancrelipase is a pancreatic enzyme product consisting of a mixture of enzymes including lipases, proteases, and amylases, and is an extract derived from porcine pancreatic glands. The enteric-coated pellets in ZENPEP are formulated to release pancreatic enzymes at an approximate pH of 5.5 or greater.

ZENPEP (pancrelipase) delayed-release capsule for oral administration, include a two-

piece shell containing light brown-colored enteric-coated pellets (1.8 to 1.9mm for 3,000 and 5,000 USP units of lipase, 2.2 to 2.5 mm for 10,000, 15,000, 20,000, 25,000, 40,000 and 60,000 USP units of lipase) and are available as follows:

3,000 USP units of lipase; 10,000 USP units of protease; and 14,000 USP units of amylase; delayed-release capsules have a white opaque cap and a white opaque body with imprint "APTALIS 3". The shells contain carnauba wax or talc, carrageenan, hypromellose, potassium chloride, titanium oxide, and water. The colorant of the printed ink is red iron oxide.

5,000 USP units of lipase; 17,000 USP units of protease; and 24,000 USP units of amylase; delayed-release capsules have a white opaque cap and a white opaque body with imprint "APTALIS 5". The shells contain carnauba wax or talc, carrageenan, hypromellose, potassium chloride, titanium oxide, and water. The colorant of the printed ink is FD&C Blue 2.

10,000 USP units of lipase; 32,000 USP units of protease; and 42,000 USP units of amylase; delayed-release capsules have a yellow opaque cap and a white opaque body with imprint "APTALIS 10". The shells contain carnauba wax or talc, carrageenan, hypromellose, potassium chloride, titanium oxide, water and yellow ferric oxide. The colorant of the printed ink is FD&C Blue 2.

15,000 USP units of lipase; 47,000 USP units of protease; and 63,000 USP units of amylase; delayed-release capsules have a red opaque cap and a white opaque body with imprint "APTALIS 15". The shells contain carnauba wax or talc, carrageenan, hypromellose, potassium chloride, red ferric oxide, titanium oxide, and water. The colorant of the printed ink is FD&C Blue 2.

20,000 USP units of lipase; 63,000 USP units of protease; and 84,000 USP units of amylase; delayed-release capsules have a green opaque cap and a white opaque body with imprint "APTALIS 20". The shells contain carnauba wax or talc, carrageenan, FD&C Blue #2, hypromellose, potassium chloride, titanium oxide, water, and yellow ferric oxide. The colorant of the printed ink is FD&C Blue 2.

25,000 USP units of lipase; 79,000 USP units of protease; and 105,000 USP units of amylase; delayed-release capsules have a blue opaque cap and a white opaque body with imprint "APTALIS 25". The shells contain carnauba wax or talc, carrageenan, FD&C Blue #2, hypromellose, potassium chloride, titanium oxide, and water. The colorant of the printed ink is FD&C Blue 2.

40,000 USP units of lipase; 126,000 USP units of protease; and 168,000 USP units of amylase; delayed-release capsules have an orange opaque cap and white opaque body, printed with "APTALIS 40". The shells contain FD&C Yellow #6, hypromellose, and titanium oxide. The colorant of the printed ink is FD&C Blue 2.

60,000 USP units of lipase; 189,600 USP units of protease; 252,600 USP units of amylase. Capsules have a powder blue opaque cap with two black stripes and white opaque body, printed with "APTALIS 60" The shells contain FD&C Blue #1, hypromellose, and titanium oxide. The colorant of the printed ink is black iron oxide.

ZENPEP (pancrelipase) delayed-release capsules include the following inactive ingredients: colloidal silicon dioxide, croscarmellose sodium, hydrogenated castor oil, hypromellose phthalate, magnesium stearate, microcrystalline cellulose, talc, and triethyl citrate.

## **12 CLINICAL PHARMACOLOGY**

### **12.1 Mechanism of Action**

Pancreatic enzyme products contain a mixture of lipases, proteases, and amylases that catalyze the hydrolysis of fats to monoglycerides, glycerol, and free fatty acids, protein into peptides and amino acids, and starch into dextrans and short chain sugars such as maltose and maltotriose in the duodenum and proximal small intestine, thereby acting like digestive enzymes physiologically secreted by the pancreas.

### **12.2 Pharmacodynamics**

For patients consuming a high fat diet in the clinical trials, the coefficient of fat absorption (CFA) was higher in patients who received ZENPEP compared to the placebo treatment group, indicating improved fat absorption [*see Clinical Studies (14)*].

### **12.3 Pharmacokinetics**

Following oral administration, the lipases, proteases, and amylases released from ZENPEP are not absorbed from the gastrointestinal tract in appreciable amounts.

#### Drug Interactions

The lipases, proteases, and amylases of ZENPEP are not substrates of CYP enzymes or transporters. CYP enzymes or transporters mediated drug interactions are not expected.

## **14 CLINICAL STUDIES**

### Adult and Pediatric Patients 7 Years of Age and Older

Study 1 was a randomized, double-blind, placebo-controlled, crossover study of 34 patients, aged 7 to 23 years, with exocrine pancreatic insufficiency due to cystic fibrosis. The final analysis population was limited to 32 patients, who completed both double-blind treatment periods, and were included in the efficacy analysis population. Patients were randomized to receive ZENPEP or matching placebo for 6 to 7 days of treatment, followed by crossover to the alternate treatment for an additional 6 to 7 days. The mean exposure to ZENPEP during this study, including titration period and open label transition, was 30 days. The mean dosage during the controlled treatment periods ranged from a mean dose of 3,900 lipase units/kg/day to 5,700 lipase units/kg/day. All patients consumed a high-fat diet (greater than or equal to 100 grams of fat per day) during the treatment period. The population was nearly evenly distributed in biological sex, and approximately 96% of patients were White.

#### *Coefficient of Fat Absorption Endpoint and Results*

The primary efficacy endpoint was the mean difference in the coefficient of fat absorption (CFA) between ZENPEP and placebo treatment. The CFA was determined by a 72-hour stool collection during both treatments, when both fat excretion and fat ingestion were measured. Each patient's CFA during placebo treatment was used as their no-treatment CFA value.

Mean CFA was 88% with ZENPEP treatment compared to 63% with placebo treatment.

The mean difference in CFA was 26 percentage points in favor of ZENPEP treatment with 95% Confidence Interval of (19, 32) and  $p \leq 0.001$ .

Subgroup analyses of the CFA results showed that mean change in CFA was greater in patients with lower no-treatment (placebo) CFA values than in patients with higher no-treatment (placebo) CFA values. There were similar responses to ZENPEP by age and biological sex.

#### Pediatric Patients 1 to 6 Years of Age

Study 2 was an open-label, uncontrolled study of 19 pediatric patients, aged 1 to 6 years (mean age 4 years), with exocrine pancreatic insufficiency due to cystic fibrosis. Approximately half of the patients were aged 1 to 3 years. Study 2 compared a measurement of fat malabsorption, spot fecal fat testing, before (while receiving therapy with another pancreatic enzyme product) and after oral administration of ZENPEP capsules with each meal or snack.

After a 4 to 14 day screening period during which patients remained on their current pancreatic enzyme product, patients were switched to ZENPEP at individually titrated dosages ranging between 2,300 and 10,000 lipase units/kg/day (not to exceed 2,500 lipase units/kg/meal) for 14 days. The mean ZENPEP dosage was approximately 5,000 lipase unit/kg/day. There was no wash-out period. Overall, patients showed similar control of fat malabsorption by spot fecal fat testing when switched from their current pancreatic enzyme product to ZENPEP treatment at a similar dosage.

## **16 HOW SUPPLIED/STORAGE AND HANDLING**

ZENPEP (pancrelipase) delayed-release capsules containing light, brown-colored delayed-release pancrelipase are supplied as follows:

<b>Strength</b>	<b>Description</b>	<b>Supplied As</b>	<b>NDC Number</b>
3,000 USP units of lipase; 10,000 USP units of protease; 14,000 units of amylase	two-piece hypromellose capsule with white opaque cap and white body with a red radial print and printed with "APTALIS 3"	Bottles of 100	73562-113-01
5,000 USP units of lipase; 17,000 USP units of protease; 24,000 units of amylase	two-piece hypromellose capsule with a white opaque cap and white body with a blue radial print and printed with "APTALIS 5"	Bottles of 100	73562-115-01
10,000 USP units of lipase; 32,000 units of protease; 42,000 units of amylase	two-piece hypromellose capsule with a yellow opaque cap and white body with a blue radial print and printed with "APTALIS 10"	Bottles of 100	73562-110-01
	two-piece hypromellose		

15,000 USP units of lipase; 47,000 units of protease; 63,000 units of amylase	two-piece hypromellose capsule with a red opaque cap and white body with a blue radial print and printed with "APTALIS 15"	Bottles of 100	73562-111-01
20,000 USP units of lipase; 63,000 units of protease; 84,000 units of amylase	two-piece hypromellose capsule with a green opaque cap and white body with a blue radial print and printed with "APTALIS 20"	Bottles of 100	73562-112-01
25,000 USP units of lipase; 79,000 units of protease; 105,000 units of amylase	two-piece hypromellose capsule with a blue opaque cap and white body with a blue radial print and printed with "APTALIS 25"	Bottles of 100	73562-116-01
40,000 USP units of lipase; 126,000 units of protease; 168,000 units of amylase	two-piece hypromellose capsule with an orange opaque cap and white body with a blue radial print and printed with "APTALIS 40"	Bottles of 100	73562-114-01
60,000 USP units of lipase; 189,600 units of protease; 252,600 units of amylase	two-piece hypromellose capsule with powder blue opaque cap with two black stripes and white body with a black radial print and printed with "APTALIS 60"	Bottles of 100	73562-117-01

## Storage and Handling

### *Original container:*

Store at room temperature, 20°C to 25°C (68°F to 77°F) and protect from moisture. Brief excursions permitted to 15°C to 40°C (59°F to 104°F) for 24 hours. *After opening, keep bottle tightly closed between uses to protect from moisture.*

*Zenpep is supplied in bottles containing a desiccant.*

### *Repackaged HDPE container:*

Dispense in tight container (USP). Store at up to 30°C (86°F) for up to 6 months and protect from moisture. Brief excursions permitted to 15°C to 40°C (59°F to 104°F) for up to 30 days. Protect from moisture. *After opening, keep bottle tightly closed between uses to protect from moisture.*

## **17 PATIENT COUNSELING INFORMATION**

Advise the patient or caregiver to read the FDA-approved patient labeling (Medication

Guide).

### Fibrosing Colonopathy

Advise the patient or caregiver that fibrosing colonopathy has been reported with high dosages of pancreatic enzyme products, usually with use over a prolonged period of time and in pediatric patients with cystic fibrosis. Colonic stricture has been reported in pediatric patients less than 12 years of age. Advise patients and caregivers that if signs and symptoms of colon stricture formation occur (e.g., stomach area (abdominal) pain, bloating, trouble passing stool (constipation), nausea, vomiting, diarrhea) to immediately contact their healthcare provider [see *Warnings and Precautions (5.1)*].

### Hyperuricemia

Advise the patient or caregiver that hyperuricemia may occur in patients with gout or renal impairment and to contact the healthcare provider if they experience pain, stiffness, redness or swelling of their joints [see *Warnings and Precautions (5.3)*].

### Hypersensitivity Reactions

Inform the patient or caregiver that severe hypersensitivity reactions, including anaphylaxis asthma, hives, and pruritus, have been reported with use of pancreatic enzyme products. Seek medical attention if signs or symptoms of a hypersensitivity reaction develop [see *Warnings and Precautions (5.5)*].

### Dosage

Advise the patient or caregiver to take ZENPEP as prescribed, and to contact the healthcare provider if signs and symptoms of malabsorption persist [see *Dosage and Administration (2.2)*].

### Administration

Instruct the patient or caregiver as follows:

- Take ZENPEP with meals or snacks.
- Swallow capsules whole.
- For adult and pediatric patients who are unable to swallow intact capsules, the capsule contents may be sprinkled on a small amount of acidic soft food with a pH of 4.5 or less (e.g., commercially available preparations of applesauce, bananas, or pears). For pediatric patients birth to 12 months of age, ZENPEP capsules can also be opened, and the capsule contents sprinkled directly into the infant's mouth.
- Consume sufficient liquids (juice, water, breast milk, or formula) and visually inspect an infant's mouth to ensure complete swallowing of ZENPEP capsules or capsule contents [see *Warnings and Precautions (5.2)*].
- Do not crush or chew ZENPEP capsules or capsule contents.
- Do not mix the ZENPEP capsule contents directly into a bottle of breast milk or formula.

### Storage

Instruct the patient or caregiver as follows:

- Keep ZENPEP in a dry place and protect from moisture and heat.
- After opening, keep bottle tightly closed between uses to protect from moisture.
- Keep the desiccant in the bottle, if present. The desiccant packet should not be eaten or thrown away.

**Manufactured by:**

Aimmune Therapeutics, Inc.  
1007 US Highway 202/206,  
Bridgewater, NJ 08807, USA

US License No. 2109

For further information, please call Aimmune Therapeutics at 1-833-AIM2KNO (1-833-246-2566)

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**MEDICATION GUIDE**  
**ZENPEP® (ZEN-pep)**  
**(pancrelipase)**

**delayed-release capsules, for oral use**

**What is the most important information I should know about ZENPEP?**

ZENPEP may increase your chance of having a rare bowel disorder called fibrosing colonopathy especially if taken at a high dose for a long time in children with cystic fibrosis. This condition is serious and may require surgery. The risk of having this condition may be reduced by following the dosing instructions that your doctor gave you. **Call your doctor right away if you have any unusual or severe:**

- Stomach area (abdominal) pain
- Bloating
- Trouble passing stool (having bowel movements)
- Nausea, vomiting, or diarrhea

Take ZENPEP exactly as prescribed by your doctor. **Do not** take more ZENPEP than directed by your doctor.

**What is ZENPEP?**

- ZENPEP is a prescription medicine used to treat people who cannot digest food normally because their pancreas does not make enough enzymes.
- ZENPEP contains a mixture of digestive enzymes including lipases, proteases, and amylases from pig pancreas.
- ZENPEP is safe and effective in adults and children.

**Before taking ZENPEP, tell your doctor about all your medical conditions, including if you:**

- are allergic to pork (pig) products.
- have a history of blockage of your intestines, or scarring or thickening of your bowel wall (fibrosing colonopathy).
- have gout, kidney disease, or high blood uric acid (hyperuricemia).
- have trouble swallowing capsules.
- have any other medical condition.
- are pregnant or plan to become pregnant.

- are breastfeeding or plan to breastfeed. It is not known if ZENPEP passes into your breast milk. Talk to your doctor about the best way to feed your baby if you take ZENPEP.

**Tell your doctor about all the medicines you take**, including prescription and over-the-counter medicines, vitamins, and herbal supplements.

Know the medicines you take. Keep a list of them and show it to your doctor and pharmacist when you get a new medicine.

### **How should I take ZENPEP?**

- **Take ZENPEP exactly as your doctor tells you.** Contact your doctor if you continue to have signs and symptoms of malabsorption (not absorbing nutrients from food) such as abdominal pain, abdominal distention, bloating, fatty stools, or weight loss. Your dose may need to be changed.
- You should not switch ZENPEP with any other pancreatic enzyme product without first talking to your doctor.
- Do not take more capsules in a day than the number your doctor tells you (total daily dose).
- **Always take ZENPEP with a meal or snack.** If you eat a lot of meals or snacks in a day, be careful not to go over your total daily dose.
- **ZENPEP capsules should be swallowed whole. Do not crush or chew the ZENPEP capsules or its contents and do not hold the capsule contents in your mouth.** Crushing or chewing the ZENPEP capsules may cause irritation in your mouth or change the way ZENPEP works in your body.

### **Giving ZENPEP to Adults and Children 12 Months of Age and Older:**

- Swallow ZENPEP capsules whole and take them with enough liquid (water or juice) to swallow them right away.
- If you have trouble swallowing capsules, open the capsules and sprinkle the entire contents on a small amount of acidic soft food such as applesauce, bananas or pears. Ask your doctor about other foods you can mix with ZENPEP.
- If you sprinkle ZENPEP on food, **swallow it right after** you mix it. Do not store ZENPEP that is mixed with food.
- Swallow the ZENPEP and food mixture right away followed with water or juice. Make sure the medicine is swallowed completely.
- If you forget to take ZENPEP, call your doctor or wait until your next meal and take your usual number of capsules. **Do not make up for missed doses.** Take your next dose at the usual time.

### **Giving ZENPEP to Infants (Children from Birth to 12 Months of Age):**

The 2 ways to give ZENPEP to infants (children from birth to 12 months of age), which are described below:

#### **a) Giving with an Acidic Soft Food**

1. Before each breastfeeding session or each time you give 120 mL of formula, carefully open the capsule and sprinkle the entire contents of the capsule in a small amount of acidic soft food (such as, store bought preparations of applesauce, bananas or pears)
2. Mix the capsule contents evenly through the food. Be careful not to crush the ZENPEP capsule contents while mixing.
3. Give the entire mixture to the infant right away. **Do not** store the ZENPEP mixture or

save for later use.

4. **Do not** mix the ZENPEP capsule contents directly into a bottle of breast milk or formula.
5. Give your infant enough formula or breastfeed your infant **right away** to completely swallow the ZENPEP food mixture.
6. Look into your infant's mouth to make sure that all of the medicine has been swallowed.
7. Throw away the empty ZENPEP capsule.

### **b) Giving Directly Into the Infant's Mouth Before Breastfeeding or Formula Feeding**

1. Before each breastfeeding session or each time you give 120 mL of formula, carefully open the ZENPEP capsule and sprinkle the capsule contents directly into the infant's mouth.
  2. **Do not** mix the ZENPEP capsule contents directly into a bottle of breast milk or formula.
  3. Give your infant additional breast milk or formula **right after** ZENPEP to completely swallow the ZENPEP capsule contents.
  4. Look in your infant's mouth to make sure that all the medicine has been swallowed.
  5. Throw away the empty ZENPEP capsule.
- If a dose is missed, give the next dose with the next feeding.

### **What are possible side effects of ZENPEP?**

#### **ZENPEP may cause serious side effects, including:**

- See "**What is the most important information I should know about ZENPEP?**"
- **Irritation of the inside of your mouth.** This can happen if ZENPEP is not swallowed completely.
- **Increase in blood uric acid levels (hyperuricemia).** This may happen in people with gout, kidney problems, or those who take high doses of pancrelipase, the active ingredient in ZENPEP. Call your doctor if you have pain, stiffness, redness or swelling of your joints.
- **Severe allergic reactions.** Severe allergic reactions have happened in people taking pancreatic enzyme products like ZENPEP. Stop taking ZENPEP and get emergency treatment right away if you have any of these symptoms: trouble with breathing, skin rashes, swollen lips, or itching.

#### **The most common side effects of ZENPEP include:**

- Headache
- Bruising
- Cough
- Feeling full after eating a small amount of food

#### **Other Possible Side Effects:**

ZENPEP and other pancreatic enzyme products are made from the pancreas of pigs, the same pigs people eat as pork. These pigs may carry viruses. Although it has never been reported, it may be possible for a person to get a viral infection from taking pancreatic enzyme products that come from pigs.

Tell your doctor if you have any side effect that bothers you or does not go away.

These are not all the possible side effects of ZENPEP.

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

You may also report side effects to Aimmune Therapeutics, Inc at 1-833-AIM2KNO (1-833-246-2566).

### **How do I store ZENPEP?**

- Store ZENPEP at room temperature between 68°F to 77°F (20°C to 25°C). Avoid heat.
- After opening the bottle, keep it closed tightly between uses to protect from moisture.
- Do not eat or throw away the packet (desiccant) in your medicine bottle, if present. Keep it in the bottle. This packet will protect your medicine from moisture.
- Store ZENPEP in a dry place.

### **Keep ZENPEP and all medicines out of the reach of children.**

#### **General information about the safe and effective use of ZENPEP.**

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

You can ask your pharmacist or doctor for information about ZENPEP that is written for health professionals.

#### **What are the ingredients in ZENPEP?**

**Active ingredients:** lipase, protease, amylase

**Inactive ingredients:** colloidal silicon dioxide, croscarmellose sodium, hydrogenated castor oil, hypromellose phthalate, magnesium stearate, microcrystalline cellulose, talc, and triethyl citrate in hypromellose capsules.

The red radial imprinting on the 3,000 capsule strength contains red iron oxide as colorant.

The blue radial imprinting on the 5,000, 10,000, 15,000, 20,000, 25,000, and 40,000 capsule strengths contains FD&C Blue #2 as colorant.

The black radial imprinting on the 60,000 capsule strength contains black iron oxide as colorant.

#### **Capsule shell ingredients:**

- 3,000 USP units and 5,000 USP units of lipase contain carnauba wax or talc, carrageenan, hypromellose, potassium chloride, titanium oxide, and water.
- 10,000 USP units of lipase contain carnauba wax or talc, carrageenan, hypromellose, potassium chloride, titanium oxide, water and yellow ferric oxide.
- 15,000 USP units of lipase contain carnauba wax or talc, carrageenan, hypromellose potassium chloride, red ferric oxide, titanium oxide, and water.
- 20,000 USP units of lipase contain carnauba wax or talc, carrageenan, FD&C Blue #2, hypromellose, potassium chloride, titanium oxide, water, and yellow ferric oxide.
- 25,000 USP units of lipase contain carnauba wax or talc, carrageenan, FD&C Blue #2 hypromellose, potassium chloride, titanium oxide, and water.
- 40,000 USP units of lipase contain FD&C Yellow #6, hypromellose, and titanium oxide.
- 60,000 USP units of lipase contain FD&C Blue #1, hypromellose and titanium oxide.

#### **Manufactured by:**

Aimmune Therapeutics, Inc.  
1007 US Highway 202/206,  
Bridgewater, NJ 08807, USA  
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For further information, please go to [www.ZENPEP.com](http://www.ZENPEP.com) or call Aimmune Therapeutics, Inc at 1-833-AIM2KNO (1-833-246-2566)

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

Revised  
07/2025

## PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-113-01

NDC 73562-113-01

pancrelipase

Zenpep®  
DELAYED-RELEASE CAPSULES

Rx only

DOSE BY  
LIPASE  
UNITS:

Lipase 3,000 USP units  
Protease 10,000 USP units  
Amylase 14,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

Contains no preservatives.  
Contains pork proteins.

For Patient Information call  
1-833-AIM2KNO (1-833-246-2566)  
Or visit [www.zenpep.com](http://www.zenpep.com)

**Manufactured by:**  
Aimmune Therapeutics, Inc.  
1007 US Highway 202/206  
Bridgewater, NJ 08807, USA  
Product of Germany  
U.S. License No. 2109

NDC 73562-113-01

**pancrelipase**  
**Zenpep®**  
DELAYED-RELEASE CAPSULES

Rx only

<b>DOSE BY</b>	<b>Lipase 3,000 USP units</b>
<b>LIPASE</b>	Protease 10,000 USP units
<b>UNITS:</b>	Amylase 14,000 USP units

Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

**Each Capsule Contains:**  
Lipase 3,000 USP units  
Protease 10,000 USP units  
Amylase 14,000 USP units

**Dosage:** See Prescribing Information.

**Storage Conditions:**  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

**AFTER OPENING, KEEP BOTTLE TIGHTLY CLOSED** between uses to PROTECT FROM MOISTURE. Keep out of reach of children.

**WARNINGS:**  
Zenpep capsules and capsule contents should not be crushed or chewed.

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## PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-115-01

NDC 73562-115-01

pancrelipase

Zenpep®

DELAYED-RELEASE CAPSULES

Rx only

DOSE BY

LIPASE

UNITS:

Lipase 5,000 USP units

Protease 17,000 USP units

Amylase 24,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

Contains no preservatives.  
Contains pork proteins.

For Patient information call  
1-833-AIM2KNO (1-833-246-2566)  
Or visit [www.zenpep.com](http://www.zenpep.com)

**Manufactured by:**  
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Bridgewater, NJ 08807, USA  
Product of Germany  
U.S. License No. 2109

NDC 73562-115-01

pancrelipase  
**Zenpep®**  
DELAYED-RELEASE CAPSULES

Rx only

<b>DOSE BY</b>	<b>Lipase 5,000 USP units</b>
<b>LIPASE</b>	<b>Protease 17,000 USP units</b>
<b>UNITS:</b>	<b>Amylase 24,000 USP units</b>

Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

**Each Capsule Contains:**  
Lipase 5,000 USP units  
Protease 17,000 USP units  
Amylase 24,000 units

**Dosage:** See Prescribing Information.

**Storage Conditions:**  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

**AFTER OPENING, KEEP BOTTLE TIGHTLY  
CLOSED between uses to PROTECT FROM  
MOISTURE. Keep out of reach of children.**

**WARNINGS:**  
Zenpep capsules and capsule  
contents should not be crushed or chewed.

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**PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-110-01**

NDC 73562-110-01

pancrelipase

Zenpep®

DELAYED-RELEASE CAPSULES

Rx only

DOSE BY

LIPASE

UNITS:

Lipase 10,000 USP units

Protease 32,000 USP units

Amylase 42,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

Contains no preservatives.  
Contains pork proteins.

NDC 73562-110-01

pancrelipase  
**Zenpep**<sup>®</sup>  
DELAYED-RELEASE CAPSULES

Rx only

Each Capsule Contains:  
Lipase 10,000 USP units  
Protease 32,000 USP units  
Amylase 42,000 USP units

Dosage: See Prescribing Information.

Storage Conditions:  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

AFTER OPENING, KEEP BOTTLE TIGHTLY  
CLOSED between uses to PROTECT FROM  
MOISTURE. Keep out of reach of children.

WARNINGS:  
Zenpep capsules and capsule  
contents should not be  
crushed or chewed.

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For Patient information call  
1-833-AIM2KNO (1-833-246-2566)  
Or visit [www.zenpep.com](http://www.zenpep.com)

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Product of Germany  
U.S. License No. 2109

DOSE BY LIPASE UNITS:	Lipase 10,000 USP units Protease 32,000 USP units Amylase 42,000 USP units
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Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

## PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-111-01

NDC 73562-111-01

pancrelipase

Zenpep<sup>®</sup>

DELAYED-RELEASE CAPSULES

Rx only

DOSE BY

LIPASE

UNITS:

Lipase 15,000 USP units

Protease 47,000 USP units

Amylase 63,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

Contains no preservatives.  
Contains pork proteins.

NDC 73562-111-01

pancrelipase  
**Zenpep**<sup>®</sup>  
DELAYED-RELEASE CAPSULES

Rx only

Each Capsule Contains:  
Lipase 15,000 USP units  
Protease 47,000 USP units  
Amylase 63,000 USP units

Dosage: See Prescribing Information.

Storage Conditions:  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

AFTER OPENING, KEEP BOTTLE TIGHTLY  
CLOSED between uses to PROTECT FROM  
MOISTURE. Keep out of reach of  
children.

WARNINGS:  
Zenpep capsules and  
capsule contents should  
not be crushed or chewed.

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For Patient information call  
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DOSE BY LIPASE UNITS:	Lipase 15,000 USP units Protease 47,000 USP units Amylase 63,000 USP units
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Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

**PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-112-01**

NDC 73562-112-01

pancrelipase

Zenpep®  
DELAYED-RELEASE CAPSULES

Rx only

DOSE BY  
LIPASE  
UNITS:

Lipase 20,000 USP units  
Protease 63,000 USP units  
Amylase 84,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

**PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-116-01**

NDC 73562-116-01

pancrelipase

Zenpep®  
DELAYED-RELEASE CAPSULES

Rx only

DOSE BY  
LIPASE  
UNITS:

Lipase 25,000 USP units

Protease 79,000 USP units  
Amylase 105,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

NDC 73562-116-01

Contains no preservatives.  
Contains pork proteins.

For Patient information call  
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Or visit [www.zenpep.com](http://www.zenpep.com)

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**pancrelipase**  
**Zenpep®**  
DELAYED-RELEASE CAPSULES

Rx only

<b>DOSE BY LIPASE UNITS:</b>	<b>Lipase 25,000 USP units</b> Protease 79,000 USP units Amylase 105,000 USP units
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Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

**Each Capsule Contains:**  
Lipase 25,000 USP units  
Protease 79,000 USP units  
Amylase 105,000 USP units

**Dosage:** See Prescribing Information.

**Storage Conditions:**  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

**AFTER OPENING, KEEP BOTTLE TIGHTLY  
CLOSED** between uses to **PROTECT FROM  
MOISTURE.** Keep out of reach of  
children.

**WARNINGS:**  
**Zenpep capsules and  
capsule contents should  
not be crushed or chewed.**



## PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-114-01

NDC 73562-114-01

pancrelipase

Zenpep®

DELAYED-RELEASE CAPSULES

Rx only

DOSE BY

LIPASE

UNITS:

Lipase 40,000 USP units

Protease 126,000 USP units

Amylase 168,000 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

NDC 73562-114-01

Contains no preservatives.  
Contains pork proteins.

For Patient information call  
1-833-AIM2KNO (1-833-246-2566)  
Or visit [www.zenpep.com](http://www.zenpep.com)

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Bridgewater, NJ 08807, USA  
Product of Germany  
U.S. License No. 2109

**pancrelipase**  
**Zenpep®**  
DELAYED-RELEASE CAPSULES

Rx only

<b>DOSE BY LIPASE UNITS:</b>	<b>Lipase 40,000 USP units</b>
	Protease 126,000 USP units
	Amylase 168,000 USP units

Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

**Each Capsule Contains:**  
Lipase 40,000 USP units  
Protease 126,000 USP units  
Amylase 168,000 USP units

**Dosage:** See Prescribing Information.  
**Contains FD&C Yellow No. 6.**

**Storage Conditions:**  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

**WARNINGS:**  
**Zenpep capsules and  
capsule contents should  
not be crushed or chewed.**

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## PRINCIPAL DISPLAY PANEL - 100 Capsule Bottle Label - NDC 73562-117-01

NDC 73562-117-01

pancrelipase

Zenpep®

DELAYED-RELEASE CAPSULES

Rx only

DOSE BY  
LIPASE  
UNITS:

Lipase 60,000 USP units

Protease 189,600 USP units

Amylase 252,600 USP units

Dispense enclosed Medication Guide to each patient

100 Delayed-Release Capsules

NDC 73562-117-01

Contains no preservatives.  
Contains pork proteins.

For Patient information call  
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Or visit [www.zenpep.com](http://www.zenpep.com)

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**pancrelipase**  
**Zenpep®**  
DELAYED-RELEASE CAPSULES

Rx only

<b>DOSE BY LIPASE UNITS:</b>	<b>Lipase 60,000 USP units</b>
	Protease 189,600 USP units
	Amylase 252,600 USP units

Dispense enclosed Medication Guide to each patient  
100 Delayed-Release Capsules

**Each Capsule Contains:**  
Lipase 60,000 USP units  
Protease 189,600 USP units  
Amylase 252,600 USP units

**Dosage:** See Prescribing Information.

**Storage Conditions:**  
Store at 20°C to 25°C (68°F to 77°F);  
excursions permitted to 15°C to 40°C  
(59°F to 104°F).

**WARNINGS:**  
**Zenpep capsules and  
capsule contents should  
not be crushed or chewed.**

3 73562 11701 2

# ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:73562-113
<b>Route of Administration</b>	ORAL		

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)	PANCRELIPASE LIPASE	3000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	10000 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	14000 [USP'U]

## Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELLOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	
<b>CARRAGEENAN</b> (UNII: 5C69YCD2YJ)	
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ98I10)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	
<b>WATER</b> (UNII: 059QF0KO0R)	

## Product Characteristics

<b>Color</b>	WHITE (White, White)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	14mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;3
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-113-	100 in 1 BOTTLE; Type 0: Not a Combination	04/01/2011	

1	01	Product	04/01/2021	
2	NDC:73562-113-10	100 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2021	

  

Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	01/01/2021	

ZENPEP			
pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release			
Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:73562-115
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
PANCRELIPASE LIPASE (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)		PANCRELIPASE LIPASE	5000 [USP'U]
PANCRELIPASE PROTEASE (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)		PANCRELIPASE PROTEASE	17000 [USP'U]
PANCRELIPASE AMYLASE (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)		PANCRELIPASE AMYLASE	24000 [USP'U]
Inactive Ingredients			
Ingredient Name			Strength
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)			
HYDROGENATED CASTOR OIL (UNII: ZF94AP8MEY)			
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)			
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)			
MAGNESIUM STEARATE (UNII: 70097M6I30)			
TALC (UNII: 7SEV7J4R1U)			
TRIETHYL CITRATE (UNII: 8Z96QXD6UM)			
HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST) (UNII: 8LDD2V82F5)			
CARRAGEENAN (UNII: 5C69YCD2YJ)			
POTASSIUM CHLORIDE (UNII: 660YQ98I10)			
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)			
HYPROMELLOSE, UNSPECIFIED (UNII: 3NXW29V3WO)			
WATER (UNII: 059QF0KO0R)			
Product Characteristics			
Color	WHITE (White, White)	Score	no score

<b>Shape</b>	CAPSULE	<b>Size</b>	14mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;5
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-115-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2021	
2	NDC:73562-115-10	100 in 1 BOTTLE; Type 0: Not a Combination Product	02/01/2021	

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	01/01/2021	

## ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:73562-110
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)	PANCRELIPASE LIPASE	10000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	32000 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	42000 [USP'U]

### Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELLOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	

<b>CARRAGEENAN</b> (UNII: 5C69YCD2YJ)	
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ98I10)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	
<b>WATER</b> (UNII: 059QF0KO0R)	

### Product Characteristics

<b>Color</b>	YELLOW (Yellow, White)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	18mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;10
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-110-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	01/01/2021	
2	NDC:73562-110-10	100 in 1 BOTTLE; Type 0: Not a Combination Product	02/01/2021	

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	01/01/2021	

## ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:73562-111
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)	PANCRELIPASE LIPASE	15000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	47000 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	63000 [USP'U]

### Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	
<b>CARRAGEENAN</b> (UNII: 5C69YCD2YJ)	
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ98I10)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	
<b>WATER</b> (UNII: 059QF0KO0R)	

### Product Characteristics

<b>Color</b>	RED (Red, White)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	22mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;15
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-111-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/01/2020	

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	12/01/2020	

## ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:73562-112
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
PANCRELIPASE LIPASE (UNII: 3NXC333333) (PANCRELIPASE LIPASE		

<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC339320) (PANCRELIPASE LIPASE - UNII:8MYC339320)	PANCRELIPASE LIPASE	20000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	63000 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	84000 [USP'U]

## Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELLOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	
<b>CARRAGEENAN</b> (UNII: 5C69YCD2YJ)	
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ98I10)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	
<b>WATER</b> (UNII: 059QF0K00R)	

## Product Characteristics

<b>Color</b>	GREEN (Green, White)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	22mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;20
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-112-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/01/2020	

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	12/01/2020	

## ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:73562-116
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)	PANCRELIPASE LIPASE	25000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	79000 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	105000 [USP'U]

### Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELLOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	
<b>CARRAGEENAN</b> (UNII: 5C69YCD2YJ)	
<b>POTASSIUM CHLORIDE</b> (UNII: 660YQ98I10)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	
<b>WATER</b> (UNII: 059QF0KO0R)	

### Product Characteristics

<b>Color</b>	BLUE (Blue, White)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	22mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;25
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-116-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	11/01/2020	
2	NDC:73562-116-12	12 in 1 BOTTLE; Type 0: Not a Combination Product	05/01/2021	

### Marketing Information

Marketing	Application Number or Monograph	Marketing Start	Marketing End

Category	Citation	Date	Date
BLA	BLA022210	11/01/2020	

## ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:73562-114
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)	PANCRELIPASE LIPASE	40000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	126000 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	168000 [USP'U]

### Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	

### Product Characteristics

<b>Color</b>	ORANGE (Orange, White)	<b>Score</b>	no score
<b>Shape</b>	CAPSULE	<b>Size</b>	22mm
<b>Flavor</b>		<b>Imprint Code</b>	APTALIS;40
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-114-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	11/01/2020	

2	NDC:73562-114-12	12 in 1 BOTTLE; Type 0: Not a Combination Product	11/01/2020
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## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	11/01/2020	

## ZENPEP

pancrelipase lipase, pancrelipase protease, pancrelipase amylase capsule, delayed release

### Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:73562-117
Route of Administration	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>PANCRELIPASE LIPASE</b> (UNII: 8MYC33932O) (PANCRELIPASE LIPASE - UNII:8MYC33932O)	PANCRELIPASE LIPASE	60000 [USP'U]
<b>PANCRELIPASE PROTEASE</b> (UNII: 3560D81V50) (PANCRELIPASE PROTEASE - UNII:3560D81V50)	PANCRELIPASE PROTEASE	189600 [USP'U]
<b>PANCRELIPASE AMYLASE</b> (UNII: YOJ58O116E) (PANCRELIPASE AMYLASE - UNII:YOJ58O116E)	PANCRELIPASE AMYLASE	252600 [USP'U]

### Inactive Ingredients

Ingredient Name	Strength
<b>CROSCARMELLOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>HYDROGENATED CASTOR OIL</b> (UNII: ZF94AP8MEY)	
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>TALC</b> (UNII: 7SEV7J4R1U)	
<b>TRIETHYL CITRATE</b> (UNII: 8Z96QXD6UM)	
<b>HYPROMELLOSE PHTHALATE (31% PHTHALATE, 170 CST)</b> (UNII: 8LDD2V82F5)	
<b>TITANIUM DIOXIDE</b> (UNII: 15FIX9V2JP)	
<b>HYPROMELLOSE, UNSPECIFIED</b> (UNII: 3NXW29V3WO)	

### Product Characteristics

Color	BLUE (Powder, black stripe) , WHITE	Score	no score
Shape	CAPSULE	Size	22mm
Flavor		Imprint Code	APTALIS;60
Contains			

**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:73562-117-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	10/27/2023	
2	NDC:73562-117-12	12 in 1 BOTTLE; Type 0: Not a Combination Product	10/27/2023	

**Marketing Information**

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
BLA	BLA022210	11/01/2020	

**Labeler** - Aimmune Therapeutics, Inc. (057562771)

Revised: 11/2025

Aimmune Therapeutics, Inc.