## SEVELAMER HYDROCHLORIDE - sevelamer hydrochloride tablet, film coated **Aurobindo Pharma Limited** HIGHLIGHTS OF PRESCRIBING INFORMATION These highlights do not include all the information needed to use SEVELAMER HYDROCHLORIDE TABLETS safely and effectively. See full prescribing information for SEVELAMER HYDROCHLORIDE TABLETS. SEVELAMER HYDROCHLORIDE tablets, for oral use Initial U.S. Approval: 2000 ----- INDICATIONS AND USAGE • Sevelamer hydrochloride is a phosphate binder indicated for the control of serum phosphorus in patients with chronic kidney disease on dialysis. (1) ------DOSAGE AND ADMINISTRATION ------• Starting dose is one or two 800 mg or two to four 400 mg tablets three times per day with meals. (2) Adjust by one tablet per meal in two-week intervals as needed to obtain serum phosphorus target (3.5) to 5.5 mg/dL). (2) ------DOSAGE FORMS AND STRENGTHS ------• Tablets: 800 mg and 400 mg (3) ------CONTRAINDICATIONS -------• Bowel obstruction. (4) Known hypersensitivity to sevelamer hydrochloride or to any of the excipients. (4) ------ WARNINGS AND PRECAUTIONS Serious cases of dysphagia, bowel obstruction, bleeding gastrointestinal ulcers, colitis, ulceration, necrosis, and perforation have been associated with sevelamer use, some requiring hospitalization and surgery. (5.1) ----- ADVERSE REACTIONS ------

- The most common reasons for discontinuing treatment were gastrointestinal adverse reactions. (6.1)
- In a parallel design study of 12 weeks duration, treatment-emergent adverse reactions to sevelamer hydrochloride tablets in peritoneal dialysis patients included dyspepsia (12%), peritonitis (8%), diarrhea (5%), nausea (5%), constipation (4%), pruritus (4%), abdominal distension (3%), vomiting (3%), fatigue (3%), anorexia (3%), and arthralgia (3%). (6.1)
- Cases of fecal impaction and, less commonly, ileus, bowel obstruction, and bowel perforation have been reported. (6.2)

To report SUSPECTED ADVERSE REACTIONS, contact Aurobindo Pharma USA, Inc. at 1-866-850-2876 and or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

------DRUG INTERACTIONS

- When clinically significant drug interactions are expected, separate the timing of administration and monitor clinical responses or blood levels of the concomitant medication. (7)
- Sevelamer did not alter the pharmacokinetics of digoxin, enalapril, iron, metoprolol, and warfarin. (7)
- Sevelamer binds ciprofloxacin and mycophenolate mofetil; dose these drugs separately from sevelamer hydrochloride. (7)

See 17 for PATIENT COUNSELING INFORMATION.

**Revised: 5/2023** 

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

#### **FULL PRESCRIBING INFORMATION**

#### 1 INDICATIONS AND USAGE

Sevelamer hydrochloride tablets are indicated for the control of serum phosphorus in patients with chronic kidney disease (CKD) on dialysis. The safety and efficacy of sevelamer hydrochloride tablets in CKD patients who are not on dialysis have not been studied.

#### 2 DOSAGE AND ADMINISTRATION

Patients Not Taking a Phosphate Binder. The recommended starting dose of sevelamer

hydrochloride tablets are 800 to 1600 mg, which can be administered as one or two 800 mg sevelamer hydrochloride tablets or two to four 400 mg sevelamer hydrochloride tablets, with meals based on serum phosphorus level. Table 1 provides recommended starting doses of sevelamer hydrochloride tablets for patients not taking a phosphate binder.

Table 1: Starting Dose for Dialysis Patients Not Taking a Phosphate Binder

Serum Phosphorus	Sevelamer Hydrochloride Tablets 800 mg	Sevelamer Hydrochloride Tablets 400 mg
>5.5 and <7.5	1 tablet three times daily with	2 tablets three times daily with
mg/dL	meals	meals
$\geq$ 7.5 and <9.0	2 tablets three times daily with	3 tablets three times daily with
mg/dL	meals	meals
≥9.0 mg/dL	2 tablets three times daily with	4 tablets three times daily with
29.0 mg/aL	meals	meals

Patients Switching from Calcium Acetate. In a study in 84 CKD patients on hemodialysis, a similar reduction in serum phosphorus was seen with equivalent doses (approximately mg for mg) of sevelamer hydrochloride tablets and calcium acetate. Table 2 gives recommended starting doses of sevelamer hydrochloride tablets based on a patient's current calcium acetate dose.

Table 2: Starting Dose for Dialysis Patients Switching From Calcium Acetate to Sevelamer Hydrochloride

Calcium Acetate 667 mg (Tablets per meal)	_	Sevelamer Hydrochloride Tablets 400 mg (Tablets per meal)
1 tablet	1 tablet	2 tablets
2 tablets	2 tablets	3 tablets
3 tablets	3 tablets	5 tablets

Dose Titration for All Patients Taking Sevelamer Hydrochloride Tablets. Adjust dosage based on the serum phosphorus concentration with a goal of lowering serum phosphorus to 5.5 mg/dL or less. Increase or decrease by one tablet per meal at two-week intervals as necessary. Table 3 gives a dose titration guideline. The average dose in a Phase 3 trial designed to lower serum phosphorus to 5.0 mg/dL or less was approximately three sevelamer hydrochloride 800 mg tablets per meal. The maximum average daily sevelamer hydrochloride tablets dose studied was 13 g.

#### **Table 3: Dose Titration Guideline**

Serum Phosphorus	Sevelamer Hydrochloride Tablets Dose
>5.5 mg/dL	Increase 1 tablet per meal at 2-week intervals
3.5 to 5.5 mg/dL	Maintain current dose
<3.5 mg/dL	Decrease 1 tablet per meal

#### **3 DOSAGE FORMS AND STRENGTHS**

- 400 mg are white to off-white, oval shaped, film-coated tablets, imprinted with "L 65" on one side with edible black ink and plain on other side.
- 800 mg are white to off-white, capsule shaped, film-coated tablets, imprinted with "L 66" on one side with edible black ink and plain on other side.

#### 4 CONTRAINDICATIONS

Sevelamer hydrochloride tablets are contraindicated in patients with bowel obstruction.

Sevelamer hydrochloride tablets are contraindicated in patients with known hypersensitivity to sevelamer hydrochloride or to any of the excipients.

## **5 WARNINGS AND PRECAUTIONS**

#### 5.1 Gastrointestinal Adverse Events

Patients with dysphagia, swallowing disorders, severe gastrointestinal (GI) motility disorders, including severe constipation, or major GI tract surgery were not included in the sevelamer hydrochloride clinical studies.

Dysphagia and esophageal tablet retention have been reported in association with use of sevelamer tablets, some requiring hospitalization and intervention. Consider using sevelamer suspension in patients with a history of swallowing disorders.

Cases of bowel obstruction, bleeding gastrointestinal ulcers, colitis, ulceration, necrosis, and perforation have also been reported with sevelamer use [see Adverse Reactions (6.2)]. Inflammatory disorders may resolve upon sevelamer hydrochloride discontinuation. Treatment with sevelamer hydrochloride should be re-evaluated in patients who develop severe gastrointestinal symptoms.

#### 5.2 Monitor Serum Chemistries

Bicarbonate and chloride levels should be monitored.

# 5.3 Monitor for Reduced Vitamins D, E, K (clotting factors) and Folic Acid Levels

In preclinical studies in rats and dogs, sevelamer hydrochloride reduced vitamins D, E, and K (coagulation parameters) and folic acid levels at doses of 6 to 10 times the recommended human dose. In short-term clinical trials, there was no evidence of reduction in serum levels of vitamins. However, in a one-year clinical trial, 25-

hydroxyvitamin D (normal range 10 to 55 ng/mL) fell from 39  $\pm$  22 ng/mL to 34  $\pm$  22 ng/mL (p<0.01) with sevelamer hydrochloride treatment. Most (approximately 75%) patients in sevelamer hydrochloride clinical trials received vitamin supplements, which is typical of patients on dialysis.

#### 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.

In a parallel design study of sevelamer hydrochloride with treatment duration of 52 weeks, adverse reactions reported for sevelamer hydrochloride (n=99) were similar to those reported for the active-control group (n=101). Overall adverse reactions among those treated with sevelamer hydrochloride occurring in >5% of patients included: vomiting (22%), nausea (20%), diarrhea (19%), dyspepsia (16%), abdominal pain (9%), flatulence (8%), and constipation (8%). A total of 27 patients treated with sevelamer and 10 patients treated with comparator withdrew from the study due to adverse reactions.

Based on studies of 8 to 52 weeks, the most common reason for withdrawal from sevelamer hydrochloride was gastrointestinal adverse reactions (3% to 16%).

In 143 peritoneal dialysis patients studied for 12 weeks, most adverse reactions were similar to adverse reactions observed in hemodialysis patients. The most frequently occurring treatment-emergent serious adverse reaction was peritonitis (8 reactions in 8 patients [8%] in the sevelamer group and 2 reactions in 2 patients [4%] on active control). Thirteen patients (14%) in the sevelamer group and 9 patients (20%) in the active-control group discontinued, mostly for gastrointestinal adverse reactions. Patients on peritoneal dialysis should be closely monitored to ensure the reliable use of appropriate aseptic technique with the prompt recognition and management of any signs and symptoms associated with peritonitis.

## 6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of sevelamer hydrochloride: hypersensitivity, pruritus, rash, abdominal pain, bleeding gastrointestinal ulcers, colitis, ulceration, necrosis, fecal impaction and uncommon cases of ileus, intestinal obstruction, and intestinal perforation. Appropriate medical management should be given to patients who develop constipation or have worsening of existing constipation to avoid severe complications.

Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to estimate their frequency or to establish a causal relationship to drug exposure.

#### 7 DRUG INTERACTIONS

There are no empirical data on avoiding drug interactions between sevelamer

hydrochloride and most concomitant oral drugs. For oral medication where a reduction in the bioavailability of that medication would have a clinically significant effect on its safety or efficacy (e.g., cyclosporine, tacrolimus, levothyroxine), consider separation of the timing of the administration of the two drugs [see Clinical Pharmacology (12.3)]. The duration of separation depends upon the absorption characteristics of the medication concomitantly administered, such as the time to reach peak systemic levels and whether the drug is an immediate-release or an extended-release product. Where possible monitor clinical responses or blood levels of concomitant drugs that have a narrow therapeutic range.

## **Table 4: Sevelamer Drug Interactions**

Oral drugs for which administered concomit	sevelamer did not alter the pharmacokinetics when antly		
Digoxin			
Enalapril			
Iron	Iron		
Metoprolol	Metoprolol		
Warfarin			
Oral drugs that have o	lemonstrated interaction with sevelamer and are to be		
dosed separately from sevelamer hydrochloride			
	Dosing Recommendations		
Ciprofloxacin	Take at least 2 hours before or 6 hours after sevelamer		
Mycophenolate mofetil	Take at least 2 hours before sevelamer		

#### **8 USE IN SPECIFIC POPULATIONS**

## 8.1 Pregnancy

Risk Summary

Sevelamer hydrochloride is not absorbed systemically following oral administration and maternal use is not expected to result in fetal exposure to the drug.

#### Clinical Considerations

Sevelamer hydrochloride may decrease serum levels of fat soluble vitamins and folic acid in pregnant women [see Clinical Pharmacology (12.2)]. Consider supplementing with these vitamins.

#### Data

#### Animal data

In pregnant rats given dietary doses of 0.5, 1.5, or 4.5 g/kg/day of sevelamer hydrochloride during organogenesis, reduced or irregular ossification of fetal bones, probably due to a reduced absorption of fat-soluble vitamin D, occurred at 7 to 21 times

the maximum human equivalent dose of 13 g based on 60 kg body weight. In pregnant rabbits given oral doses of 100, 500, or 1000 mg/kg/day of sevelamer hydrochloride by gavage during organogenesis, an increase of early resorptions occurred in the high-dose group (human equivalent dose approximately 5 times the maximum clinical trial dose based on 60 kg body weight).

#### 8.2 Lactation

## Risk Summary

Sevelamer hydrochloride is not absorbed systemically by the mother following oral administration and breastfeeding is not expected to result in exposure of the child to sevelamer hydrochloride.

#### **Clinical Considerations**

Sevelamer hydrochloride may decrease serum levels of fat soluble vitamins and folic acid in lactating women [see Clinical Pharmacology (12.2)]. Consider supplementing with these vitamins.

#### 8.4 Pediatric Use

The safety and efficacy of sevelamer hydrochloride has not been established in pediatric patients.

#### 8.5 Geriatric Use

Clinical studies of sevelamer hydrochloride did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Other reported clinical experience has not identified differences in responses between the elderly and younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range.

#### **10 OVERDOSAGE**

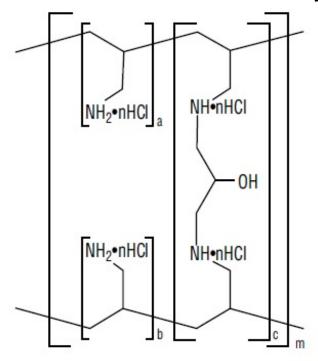
Sevelamer hydrochloride has been given to normal healthy volunteers in doses of up to 14 g per day for eight days with no adverse effects. Sevelamer hydrochloride has been given in average doses up to 13 g per day to hemodialysis patients. There are no reports of overdosage with sevelamer hydrochloride in patients. Since sevelamer hydrochloride is not absorbed, the risk of systemic toxicity is low.

#### 11 DESCRIPTION

The active ingredient in sevelamer hydrochloride tablets is sevelamer hydrochloride, a polymeric amine that binds phosphate and is meant for oral administration. Sevelamer hydrochloride is poly(allylamine hydrochloride) crosslinked with epichlorohydrin in which 40% of the amines are protonated. It is known chemically as poly(allylamine-co-N,N'-diallyl-1,3-diamino-2-hydroxypropane) hydrochloride. Sevelamer hydrochloride is white to off-white hygroscopic powder, practically insoluble in water and in methanol. The

structure is represented in Figure 1.

Figure 1: Chemical Structure of Sevelamer Hydrochloride



a, b = number of primary amine groups

a + b = 9

c = number of crosslinking groups

c = 1

n = fraction of protonated amines

n = 0.4

m = large number to indicate extended polymer network

The primary amine groups shown in the structure are derived directly from poly(allylamine hydrochloride). The crosslinking groups consist of two secondary amine groups derived from poly(allylamine hydrochloride) and one molecule of epichlorohydrin.

Sevelamer Hydrochloride Tablets: Each film-coated tablet of sevelamer hydrochloride contains either 800 mg or 400 mg of sevelamer hydrochloride on an anhydrous basis. The inactive ingredients are acetylated monoglyceride, ammonium hydroxide, black iron oxide, colloidal silicon dioxide, crospovidone, glyceryl dibehenate, hydroxypropyl cellulose, hypromellose, microcrystalline cellulose, propylene glycol, shellac glaze and talc.

#### 12 CLINICAL PHARMACOLOGY

#### 12.1 Mechanism of Action

Sevelamer hydrochloride contains sevelamer hydrochloride, a non-absorbed binding crosslinked polymer. It contains multiple amines separated by one carbon from the polymer backbone. These amines exist in a protonated form in the intestine and interact with phosphate molecules through ionic and hydrogen bonding. By binding phosphate in the dietary tract and decreasing absorption, sevelamer hydrochloride lowers the phosphate concentration in the serum.

## 12.2 Pharmacodynamics

In addition to effects on serum phosphate levels, sevelamer hydrochloride has been shown to bind bile acids *in vitro* and *in vivo* in experimental animal models. Bile acid binding by ion exchange resins is a well-established method of lowering blood cholesterol. Because sevelamer binds bile acids, it may interfere with normal fat absorption and thus may reduce absorption of fat-soluble vitamins such as A, D, and K. In clinical trials of sevelamer hydrochloride, both the mean total and LDL cholesterol declined by 15% to 31%. This effect is observed after 2 weeks. Triglycerides, HDL cholesterol, and albumin did not change.

#### 12.3 Pharmacokinetics

A mass balance study using  $^{14}$ C-sevelamer hydrochloride in 16 healthy male and female volunteers showed that sevelamer hydrochloride is not systemically absorbed. No absorption studies have been performed in patients with renal disease.

## **Drug Interactions**

In vivo

Sevelamer carbonate has been studied in human drug-drug interaction studies (9.6 g once daily with a meal) with warfarin and digoxin. Sevelamer hydrochloride, which contains the same active moiety as sevelamer carbonate, has been studied in human drug-drug interaction studies (2.4 to 2.8 g single dose or three times daily with meals or two times daily without meals) with ciprofloxacin, digoxin, enalapril, iron, metoprolol, mycophenolate mofetil and warfarin.

Coadministered single dose of 2.8 g of sevelamer hydrochloride in fasted state decreased the bioavailability of ciprofloxacin by approximately 50% in healthy subjects.

Concomitant administration of sevelamer and mycophenolate mofetil in adult and pediatric patients decreased the mean MPA  $C_{max}$  and  $AUC_{0-12h}$  by 36% and 26%, respectively.

Sevelamer carbonate or sevelamer hydrochloride did not alter the pharmacokinetics of a single dose of enalapril, digoxin, iron, metoprolol and warfarin when coadministered.

During postmarketing experience, cases of increased thyroid stimulating hormone (TSH) levels have been reported in patients coadministered sevelamer hydrochloride and levothyroxine. Reduction in concentrations of cyclosporine and tacrolimus leading to dose increases has also been reported in transplant patients when coadministered with sevelamer hydrochloride without any clinical consequences (e.g., graft rejection). The possibility of an interaction cannot be excluded with these drugs.

#### 13 NONCLINICAL TOXICOLOGY

## 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Standard lifetime carcinogenicity bioassays were conducted in mice and rats. Rats were given sevelamer hydrochloride by diet at 0.3, 1, or 3 g/kg/day. There was an increased incidence of urinary bladder transitional cell papilloma in male rats of the high-dose group (human equivalent dose twice the maximum clinical trial dose of 13 g). Mice received dietary administration of sevelamer hydrochloride at doses of up to 9 g/kg/day (human equivalent dose 3 times the maximum clinical trial dose). There was no increased incidence of tumors observed in mice.

In an *in vitro* mammalian cytogenetic test with metabolic activation, sevelamer hydrochloride caused a statistically significant increase in the number of structural chromosome aberrations. Sevelamer hydrochloride was not mutagenic in the Ames bacterial mutation assay.

Sevelamer hydrochloride did not impair the fertility of male or female rats in a dietary administration study in which the females were treated from 14 days prior to mating through gestation and the males were treated for 28 days prior to mating. The highest dose in this study was 4.5 g/kg/day (human equivalent dose 3 times the maximum clinical trial dose of 13 g).

#### 14 CLINICAL STUDIES

The ability of sevelamer hydrochloride to lower serum phosphorus in CKD patients on dialysis was demonstrated in six clinical trials: one double-blind placebo-controlled 2-week study (sevelamer hydrochloride N=24); two open-label uncontrolled 8-week studies (sevelamer hydrochloride N=220) and three active-controlled open-label studies with treatment durations of 8 to 52 weeks (sevelamer hydrochloride N=256). Three of the active-controlled studies are described here. One is a crossover study with two 8-week periods comparing sevelamer hydrochloride to an active control. The second is a 52-week parallel study comparing sevelamer hydrochloride with active control. The third is a 12-week parallel study comparing sevelamer hydrochloride and active control in peritoneal dialysis patients.

## 14.1 Active-Control, Cross-Over Study in Hemodialysis Patients

Eighty-four CKD patients on hemodialysis who were hyperphosphatemic (serum phosphorus >6.0 mg/dL) following a two-week phosphate-binder washout period received sevelamer hydrochloride and active control for eight weeks each in random order. Treatment periods were separated by a two-week phosphate-binder washout period. Patients started on treatment three times per day with meals. Over each eightweek treatment period, at three separate time points the dose of sevelamer hydrochloride could be titrated up 1 capsule or tablet per meal (3 per day) to control serum phosphorus, the dose of active control could also be altered to attain phosphate control. Both treatments significantly decreased mean serum phosphorus by about 2 mg/dL (Table 5).

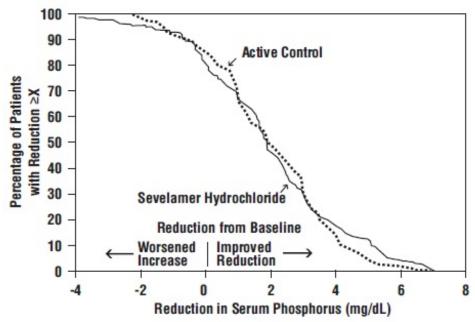
Table 5: Mean Serum Phosphorus (mg/dL) at Baseline and Endpoint

	Sevelanier Hydrochloride (N=81)	Active-Control (N=83)
Baseline at End of Washout	8.4	8.0
Endpoint	6.4	5.9
Change from Baseline at Endpoint (95% Confidence Interval)	-2.0* (-2.5, -1.5)	-2.1* (-2.6, -1.7)

<sup>\*</sup>p<0.0001, within treatment group comparison

The distribution of responses is shown in Figure 2. The distributions are similar for sevelamer hydrochloride and active control. The median response is a reduction of about 2 mg/dL in both groups. About 50% of subjects have reductions between 1 and 3 mg/dL.

Figure 2: Percentage of Patients (Y-axis) Attaining a Phosphorus Reduction from Baseline (mg/dL) at Least as Great as the Value of the X-axis



Average daily sevelamer hydrochloride dose at the end of treatment was 4.9 g (range of 0.0 to 12.6 g).

## 14.2 Active-Control, Parallel Study in Hemodialysis Patients

Two hundred CKD patients on hemodialysis who were hyperphosphatemic (serum phosphorus >5.5 mg/dL) following a two-week phosphate-binder washout period were randomized to receive sevelamer hydrochloride 800 mg tablets (N=99) or an active control (N=101). The two treatments produced similar decreases in serum phosphorus. At week 52, using last observation carried forward, sevelamer hydrochloride and active control both significantly decreased mean serum phosphorus (Table 6).

Table 6: Mean Serum Phosphorus (mg/dL) and Ion Product at Baseline and Change from Baseline to End of Treatment

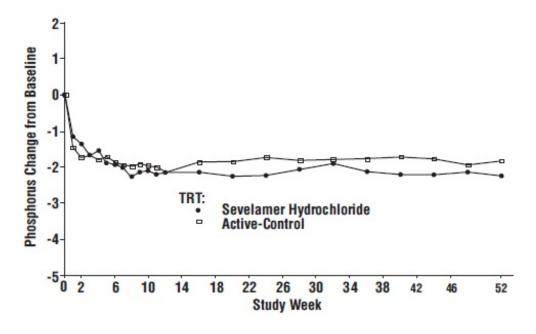
Sevelamer Hydrochloride	<b>Active-Control</b>	
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	(N=94)	(N=98)
Phosphorus		
Baseline		
Change from Baseline at	7.5	7.3
Endpoint	-2.1	-1.8
Ca × Phosphorus Ion		
Product		
Baseline		
Change from Baseline at	70.5	68.4
Endpoint	-19.4	-14.2

Sixty-one percent of sevelamer hydrochloride patients and 73% of the control patients completed the full 52 weeks of treatment.

Figure 3, a plot of the phosphorus change from baseline for the completers, illustrates the durability of response for patients who are able to remain on treatment.

Figure 3: Mean Phosphorus Change from Baseline for Patients who Completed 52 Weeks of Treatment



Average daily sevelamer hydrochloride dose at the end of treatment was 6.5 g (range of 0.8 to 13 g).

## 14.3 Active-Control, Parallel Study in Peritoneal Dialysis Patients

One hundred and forty-three patients on peritoneal dialysis, who were hyperphosphatemic (serum phosphorus >5.5 mg/dL) following a two-week phosphate-binder washout period, were randomized to receive sevelamer hydrochloride (N=97) or active control (N=46) open label for 12 weeks. Average daily sevelamer hydrochloride dose at the end of treatment was 5.9 g (range 0.8 to 14.3 g). There were statistically significant changes in serum phosphorus (p<0.001) for sevelamer hydrochloride (-1.6 mg/dL from baseline of 7.5 mg/dL), similar to the active control.

#### 16 HOW SUPPLIED/STORAGE AND HANDLING

**Sevelamer Hydrochloride Tablets 400 mg** are white to off-white, oval shaped, film-coated tablets, imprinted with "L 65" on one side with edible black ink and plain on other side.

Bottles of 360 NDC 59651-087-36

**Sevelamer Hydrochloride Tablets 800 mg** are white to off-white, capsule shaped, film-coated tablets, imprinted with "L 66" on one side with edible black ink and plain on other side.

Bottles of 180 NDC 59651-088-18

**Storage:** Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Protect from moisture.

Do not use sevelamer hydrochloride after the expiration date on the bottle.

#### 17 PATIENT COUNSELING INFORMATION

Advise patients to take sevelamer hydrochloride tablets with meals and adhere to their prescribed diets.

Provide instructions on concomitant medications that should be dosed apart from sevelamer hydrochloride tablets.

Advise patients to report new onset or worsening of existing constipation or bloody stools promptly to their healthcare provider [see Warnings and Precautions (5.1)].

Distributed by:

**Aurobindo Pharma USA, Inc.** 279 Princeton-Hightstown Road East Windsor, NJ 08520

Manufactured by: **Aurobindo Pharma Limited**Hyderabad-500 032, India

Issued: May 2023

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL - 400 mg (360 Tablets Bottle)

NDC 59651-087-36 Rx only

Sevelamer Hydrochloride Tablets 400 mg AUROBINDO

#### 360 Tablets



## PACKAGE LABEL.PRINCIPAL DISPLAY PANEL - 800 mg (180 Tablets Bottle)

NDC 59651-088-18 Rx only

Sevelamer Hydrochloride Tablets 800 mg AUROBINDO

180 Tablets

Rx only
Sevelamer
Hydrochloride
Tablets
800 mg

AUROBINDO 180 Tablets

EACH FILM-COATED TABLET CONTAINS:

Active Ingredient: Sevelamer hydrochloride 800 mg.

Inactive Ingredients: Acetylated monoglycerides, ammonium hydroxide, black iron oxide, colloidal silicon dioxide, crospovidone, glyceryl dibehenate, hydroxypropyl cellulose, hypromellose, microcrystalline cellulose, propylene glycol, shellac glaze and talc.

**USUAL DOSAGE:** 

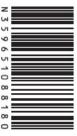
SEE PACKAGE INSERT FOR DOSAGE INFORMATION.

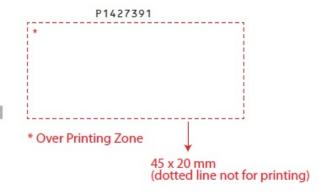
Dispense in a tight container. Protect from moisture.

Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature]. Distributed by: **Aurobindo Pharma USA, Inc.** 279 Princeton-Hightstown Road East Windsor, NJ 08520

Made in India

Code: AP/DRUGS/04/2016





## SEVELAMER HYDROCHLORIDE

sevelamer hydrochloride tablet, film coated

Product Type HUMAN PRESCRIPTION DRUG Item Code (Source) NDC:59651-087

Route of Administration ORAL

## **Active Ingredient/Active Moiety**

Ingredient Name

SEVELAMER HYDROCHLORIDE (UNII: GLS2PGI8QG) (SEVELAMER - UNII:941N5DUU5C)

Basis of Strength

SEVELAMER HYDROCHLORIDE

SEVELAMER HYDROCHLORIDE

400 mg

Inactive Ingredients	
Ingredient Name	Strength
DIACETYLATED MONOGLYCERIDES (UNII: 5Z17386USF)	
AMMONIA (UNII: 5138Q19F1X)	
FERROSOFERRIC OXIDE (UNII: XM0M87F357)	
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)	
CROSPOVIDONE (120 .MU.M) (UNII: 68401960MK)	
GLYCERYL DIBEHENATE (UNII: R8WTH25YS2)	
HYDROXYPROPYL CELLULOSE (90000 WAMW) (UNII: UKE75GEA7F)	
HYPROMELLOSE, UNSPECIFIED (UNII: 3NXW29V3WO)	
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)	
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
SHELLAC (UNII: 46N107B710)	

TALC (UNII: 7SEV7J4R1U)

Product Characteristics			
Color	WHITE (White to off-white)	Score	no score
Shape	OVAL	Size	15mm
Flavor		Imprint Code	L65
Contains			

l	Packaging				
	#	Item Code	Package Description	Marketing Start Date	Marketing End Date
		NDC:59651-087- 36	360 in 1 BOTTLE; Type 0: Not a Combination Product	07/11/2023	

Marketing I	nformation		
Marketing Application Number or Monograph Category Citation		Marketing Start Date	Marketing End Date
ANDA	ANDA212599	07/11/2023	

## SEVELAMER HYDROCHLORIDE

sevelamer hydrochloride tablet, film coated

Product Information				
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:59651-088	
Route of Administration	ORAL			

<b>Active Ingredient/Act</b>	ive Moiety		
Ir	gredient Name	Basis of Strength	Strength
SEVELAMER HYDROCHLORII UNII:941N5DUU5C)	DE (UNII: GLS2PGI8QG) (SEVELAMER -	SEVELAMER HYDROCHLORIDE	800 mg

Inactive Ingredients				
Ingredient Name	Strength			
DIACETYLATED MONOGLYCERIDES (UNII: 5Z17386USF)				
AMMONIA (UNII: 5138Q19F1X)				
FERROSOFERRIC OXIDE (UNII: XM0M87F357)				
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)				
CROSPOVIDONE (120 .MU.M) (UNII: 68401960MK)				
GLYCERYL DIBEHENATE (UNII: R8WTH25YS2)				
HYDROXYPROPYL CELLULOSE (90000 WAMW) (UNII: UKE75GEA7F)				
HYPROMELLOSE, UNSPECIFIED (UNII: 3NXW29V3WO)				

MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)	
PROPYLENE GLYCOL (UNII: 6DC9Q167V3)	
SHELLAC (UNII: 46N107B710)	
TALC (UNII: 7SEV7J4R1U)	

Product Characteristics			
Color	WHITE (White to off-white)	Score	no score
Shape	CAPSULE	Size	19mm
Flavor		Imprint Code	L66
Contains			

ı	P	ackaging			
	#	Item Code	Package Description	Marketing Start Date	Marketing End Date
	1	NDC:59651-088- 18	180 in 1 BOTTLE; Type 0: Not a Combination Product	07/11/2023	

Marketing Information				
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date	
ANDA	ANDA212599	07/11/2023		

# Labeler - Aurobindo Pharma Limited (650082092)

Establishment			
Name	Address	ID/FEI	Business Operations
APL HEALTHCARE LIMITED		650918514	ANALYSIS(59651-087, 59651-088), MANUFACTURE(59651-087, 59651-088)

Revised: 1/2024 Aurobindo Pharma Limited