

**ORENITRAM- treprostinil tablet, extended release**  
**ORENITRAM- treprostinil**  
**United Therapeutics Corporation**

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**HIGHLIGHTS OF PRESCRIBING INFORMATION**

These highlights do not include all the information needed to use ORENITRAM safely and effectively. See Full Prescribing Information for ORENITRAM.

**ORENITRAM® (treprostinil) extended-release tablets, for oral use**  
**Initial U.S. Approval: 2002**

-----**RECENT MAJOR CHANGES**-----

Dosage and Administration (2.1)

08/2023

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

Orenitram is a prostacyclin mimetic indicated for the treatment of pulmonary arterial hypertension (PAH) (WHO Group 1):

- To delay disease progression and to improve exercise capacity. The studies that established effectiveness included predominately patients with WHO functional class II-III symptoms and etiologies of idiopathic or heritable PAH (66%) or PAH associated with connective tissue disease (26%). (1.1)

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

- Give with food. Swallow tablets whole; use only intact tablets. (2.1)
- Starting dose: 0.125 mg TID or 0.25 mg BID. (2.1)
- Titrate by 0.125 mg TID or by 0.25 mg or 0.5 mg BID, not more frequently than every 3 to 4 days as tolerated. The maximum daily dose is 120 mg. (2.1)
- If transitioning from intravenous (IV) or subcutaneous (SC) Remodulin®, the Orenitram dose should be increased while simultaneously decreasing the IV/SC infusion rate. (2.2)
- Mild hepatic impairment (Child Pugh Class A): Initiate at 0.125 mg BID. Increment at 0.125 mg BID not more frequently than every 3 to 4 days. (2.3)
- Avoid use in patients with moderate hepatic impairment. (2.3)

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

Extended-Release Tablets: 0.125 mg, 0.25 mg, 1 mg, 2.5 mg, and 5 mg. (3)

-----**CONTRAINDICATIONS**-----

- Severe hepatic impairment (Child Pugh Class C). (4)

-----**WARNINGS AND PRECAUTIONS**-----

- Do not abruptly discontinue dosing. (2.5, 5.1)
- In patients with diverticulosis, Orenitram tablets can become lodged in a diverticulum. (5.2)

-----**ADVERSE REACTIONS**-----

Most common adverse reactions (incidence >10%) reported in clinical studies in patients treated with Orenitram compared with placebo are headache, diarrhea, nausea, vomiting, jaw pain, and flushing. (6.1)

**To report SUSPECTED ADVERSE REACTIONS, contact United Therapeutics Corp. at 1-866-458-6479 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

-----**DRUG INTERACTIONS**-----

- When co-administered with strong CYP2C8 inhibitors the initial dose is 0.125 mg BID with 0.125 mg BID dose increments not more frequently than every 3 to 4 days. (2.4, 7.1)

**See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.**

**Revised: 8/2023**

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## 1 INDICATIONS AND USAGE

### 1.1 Pulmonary Arterial Hypertension

Orenitram is indicated for the treatment of pulmonary arterial hypertension (PAH) (WHO Group 1) to delay disease progression and to improve exercise capacity.

The studies that established effectiveness included predominately patients with WHO functional class II-III symptoms and etiologies of idiopathic or heritable PAH (66%) or PAH associated with connective tissue disease (26%).

## 2 DOSAGE AND ADMINISTRATION

### 2.1 Recommended Dosing

Take Orenitram with food. Swallow Orenitram tablets whole; do not crush, split, or chew.

The recommended starting dose of Orenitram is 0.125 mg three times daily (TID) with food, taken approximately 8 hours apart or 0.25 mg twice daily (BID) with food, taken approximately 12 hours apart.

Titrate by 0.125 mg TID or 0.25 or 0.5 mg BID not more frequently than every 3 to 4 days. Increase the dose to the highest tolerated dose. The recommended maximum daily dose is 120 mg.

If dose increments are not tolerated, consider titrating slower. If intolerable pharmacologic effects occur, decrease the dose in increments of 0.125 mg TID or 0.25 mg BID. Avoid abrupt discontinuation [see *Warnings and Precautions (5.1)*].

### 2.2 Transitioning from Subcutaneous or Intravenous Routes of Administration of Treprostinil

Decrease the dose of Remodulin while simultaneously increasing the dose of Orenitram. The dose of Remodulin can be reduced up to 30 ng/kg/min per day and the dose of Orenitram simultaneously increased up to 6 mg per day (2 mg TID) if tolerated. The following equation can be used to estimate a target total daily dose of Orenitram in mg using a patient's dose of intravenous (IV)/subcutaneous (SC) treprostinil (in ng/kg/min) and weight (in kg).

**Orenitram total daily dose (mg) = 0.0072 × Remodulin dose (ng/kg/min) × weight (kg)**

### 2.3 Dose Adjustment in Patients with Hepatic Impairment

In patients with mild hepatic impairment (Child Pugh Class A) start at 0.125 mg BID with 0.125 mg BID dose increments not more frequently than every 3 to 4 days. Avoid use of Orenitram in patients with moderate hepatic impairment (Child Pugh Class B). Orenitram is contraindicated in patients with severe hepatic impairment (Child Pugh Class C) due to increases in systemic exposure [see *Contraindications (4)*, *Use in Specific Populations (8.6)*, and *Clinical Pharmacology (12.3)*].

### 2.4 Dose Adjustment for Use with CYP2C8 Inhibitors

When co-administered with strong CYP2C8 inhibitors (e.g., gemfibrozil) the initial dose is 0.125 mg BID with 0.125 mg BID dose increments not more frequently than every 3 to 4 days.

## 2.5 Interruptions and Discontinuation

If a dose of medication is missed, the patient should take the missed dose as soon as possible, with food. If a patient misses two or more doses, restart at a lower dose and re-titrate.

In the event of a planned short-term treatment interruption for patients unable to take oral medications, consider a temporary infusion of subcutaneous or intravenous treprostinil. To calculate the total daily dose (mg) of treprostinil for the parenteral route use the following equation:

$$\text{Remodulin (ng/kg/min)} = \frac{139 \times \text{Orenitram total daily dose (mg)}}{\text{weight (kg)}}$$

When discontinuing Orenitram, reduce the dose in steps of 0.5 to 1 mg per day [see *Warnings and Precautions (5.1)*].

## 3 DOSAGE FORMS AND STRENGTHS

Orenitram (treprostinil) extended-release tablets are available in the following five strengths:

- 0.125 mg [White tablet imprinted with UT 0.125]
- 0.25 mg [Green tablet imprinted with UT 0.25]
- 1 mg [Yellow tablet imprinted with UT 1]
- 2.5 mg [Pink tablet imprinted with UT 2.5]
- 5 mg [Red tablet imprinted with UT 5]

## 4 CONTRAINDICATIONS

Severe hepatic impairment (Child Pugh Class C) [see *Use In Specific Populations (8.6)* and *Clinical Pharmacology (12.3)*].

## 5 WARNINGS AND PRECAUTIONS

### 5.1 Worsening PAH Symptoms upon Abrupt Withdrawal

Abrupt discontinuation or sudden large reductions in dosage of Orenitram may result in worsening of PAH symptoms.

### 5.2 Use in Patients with Blind-end Pouches

The tablet shell does not dissolve. In patients with diverticulosis, Orenitram tablets can lodge in a diverticulum.

## 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 clinical practice.

In a 12-week, placebo-controlled, monotherapy study (Study 1; WHO Group 1; functional class II-III), and an event-driven, placebo-controlled, combination therapy study (Study 4; WHO Group 1; functional class I-III), the most commonly reported adverse reactions that occurred in patients receiving Orenitram included: headache, diarrhea, nausea, and flushing.

Orenitram patients in Study 1 (N=151) had access to 0.25 mg tablets at randomization. Approximately 91% of such patients in Study 1 experienced an adverse reaction, but only 4% discontinued therapy for an adverse reaction (compared to 3% receiving placebo). Study 4 enrolled a total of 690 patients, 346 received Orenitram and 344 received placebo. Overall, 19% of patients treated with Orenitram discontinued treatment in Study 4 due to an adverse event (compared to 4% of patients receiving placebo). The exposure to Orenitram in Study 4 was up to 5.1 years with a median duration of exposure of 1.2 years. Table 1 summarizes adverse events with rates at least 5% higher on Orenitram therapy than on placebo that were reported in either Study 1 or 4.

**Table 1: Adverse Events with Rates at Least 5% Higher on Orenitram Therapy than on Placebo in Either Study 1 or Study 4**

Reaction	Study 1 N=228*		Study 4 N=690	
	Orenitram n=151	Placebo n=77	Orenitram n=346	Placebo n=344
Headache	63%	19%	75%	35%
Diarrhea	30%	16%	69%	29%
Nausea	30%	18%	40%	23%
Vomiting	17%	16%	36%	10%
Flushing	15%	6%	45%	8%
Pain in jaw	11%	4%	18%	3%
Pain in extremity	14%	8%	18%	9%
Hypokalemia	9%	3%	4%	3%
Abdominal discomfort	6%	0%	8%	4%
Upper abdominal pain	5%	3%	12%	5%

\* Includes all subjects in the Primary Analysis Population

Orenitram was studied in a long-term, open-label, extension study in which 824 patients were dosed for a mean duration of approximately 2 years. About 70% of patients continued treatment with Orenitram for at least a year. The mean dose was 4.2 mg BID at one year. The adverse reactions were similar to those observed in the placebo-controlled trials.

The safety of Orenitram was also evaluated in an open-label study transitioning patients from Remodulin. The safety profile during this study was similar to that observed in the three pivotal studies.

## **6.2 Post-Marketing Experience**

The following adverse reactions have been identified during postapproval use of Orenitram: dizziness, dyspepsia, vomiting, myalgia, and arthralgia. 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.

## **7 DRUG INTERACTIONS**

### **7.1 Effect of CYP2C8 Inhibitors on Treprostinil**

Co-administration of Orenitram and the CYP2C8 enzyme inhibitor gemfibrozil in healthy adult volunteers increases exposure to treprostinil. Reduce the starting dose of Orenitram to 0.125 mg BID and use 0.125 mg BID increments not more frequently than every 3 to 4 days [see *Dosage and Administration (2.4)* and *Clinical Pharmacology (12.3)*].

## **8 USE IN SPECIFIC POPULATIONS**

### **8.1 Pregnancy**

#### Risk Summary

Limited published data from case reports with Orenitram use in pregnant women are not sufficient to assess for a drug-associated risk of major birth defects, miscarriage, or adverse maternal or fetal outcomes. There are risks to the mother and the fetus associated with pulmonary arterial hypertension (see *Clinical Considerations*). Animal reproductive studies with treprostinil diolamine administered orally have shown an adverse effect on the fetus. In rats, administration of treprostinil to pregnant rats during the period of organogenesis at doses  $\geq 10$  mg/kg/day (approximately 15 times the human exposure at the dose of 3.5 mg BID on an AUC basis) resulted in decreased pregnancy rate, increased post-implantation loss, and decreased fetal viability and growth. In rabbits, teratogenicity and decreased fetal viability and growth were observed at doses  $\geq 1.5$  mg/kg/day (approximately 7 times the human exposure at the dose of 3.5 mg BID on an AUC basis) (see *Animal Data*).

The estimated background risk of major birth defects and miscarriage for the indicated populations 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.

## Clinical Considerations

### *Disease-associated maternal and embryo-fetal risk*

Pulmonary arterial hypertension in pregnancy increases the risk of maternal heart failure, stroke and death, preterm delivery, low birth weight, and stillbirth.

## Data

### *Animal Data*

In pregnant rats, reversible, dose-dependent decreases in body weight gain and food consumption were observed during the first four days of dosing in animals administered 10, 20, and 30 mg/kg/day treprostinil diolamine. In a dose range-finding study, there was a 17% decrease in the pregnancy rate in the animals administered 20 and 30 mg/kg/day. One dam in each of the 20 and 30 mg/kg/day had litters with no viable fetuses. In the definitive study (0, 5, 10, and 20 mg/kg/day), there were four treatment-related deaths, and a 32% decrease in the pregnancy rate for rats administered 20 mg/kg/day. There was an 8% decrease in the pregnancy rate in the animals administered 10 mg/kg/day. Across both studies, an increase in post-implantation loss was observed in animals administered 10 to 30 mg/kg/day, and a significant decrease in the mean number of live births was seen at dose levels  $\geq 10$  mg/kg/day. The no observed adverse effect level was 5 mg/kg/day (maternal, fetal viability and growth), and 20 mg/kg/day (teratogenicity), the highest dose tested in the definitive study. The exposures at 5 and 20 mg/kg/day doses represent 8 and 33 times, respectively, the human exposure at the dose of 3.5 mg BID on an AUC basis.

For F<sub>1</sub> progeny, a decreased copulation index was observed at the 5 and 10 mg/kg/day treprostinil diolamine dose levels in rats. The no observed effect levels for physical development, reflex development, exploratory behavior, learning and memory, and sexual maturation was 10 mg/kg/day. The no observed effect level for F<sub>1</sub> progeny general development (based on body weight) was 10 mg/kg/day for females and  $\leq 2.5$  mg/kg/day for males; the no observed effect level for F<sub>1</sub> reproductive performance was 2.5 mg/kg/day (approximately 4 times the human exposure at the dose of 3.5 mg BID on an AUC basis).

In pregnant rabbits, the primary maternal adverse effect was gastrointestinal disturbance; dose-dependent decreases in mean body weight, body weight gain, and food consumption were observed. During the post-dose phase, the effect was reversed. In a dose range-finding study, there was a 17% decrease in the pregnancy rate for animals administered 4 mg/kg/day. A dose-dependent increase in post-implantation loss was observed. Two dams administered 4 mg/kg/day had litters with no viable fetuses; the mean fetal weight was slightly decreased in animals administered 4 mg/kg/day. In the definitive study, mean fetal weights were significantly decreased in animals administered 0.5 to 3 mg/kg/day of treprostinil diolamine. At doses of 1.5 and 3 mg/kg/day, external fetal and soft tissue malformations were observed in a few fetuses, and the total fetal skeletal malformations were significantly increased. The no observed adverse effect level was less than 0.5 mg/kg/day (maternal), 1.5 mg/kg/day (fetal viability and growth), and 0.5 mg/kg/day (teratogenicity). The 0.5 mg/kg/day dose represents about 3 times the human exposure at the dose of 3.5 mg BID on an AUC basis.

## **8.2 Lactation**

## Risk Summary

There are no data on the presence of treprostinil in human milk, the effects on the breastfed infant, or the effects on milk production.

### **8.4 Pediatric Use**

Safety and effectiveness in pediatric patients have not been established.

### **8.5 Geriatric Use**

Use of Orenitram in patients aged 65 years and over demonstrated slightly higher absolute and relative adverse event rates compared to younger patients. In general, dose selection for an elderly patient should be cautious, reflecting the greater frequency of decreased hepatic or cardiac function, and of concomitant disease or other drug therapy.

### **8.6 Patients with Hepatic Impairment**

There is a marked increase in the systemic exposure to treprostinil in hepatically impaired patients [see *Dosage and Administration (2.3)*, *Contraindications (4)*, and *Clinical Pharmacology (12.3)*].

### **8.7 Patients with Renal Impairment**

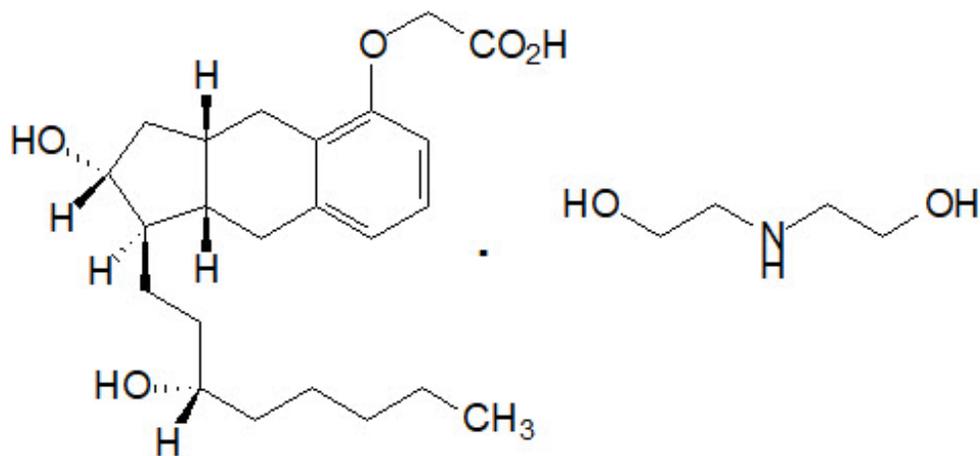
No dose adjustments are required in patients with renal impairment. Orenitram is not removed by dialysis [see *Clinical Pharmacology (12.3)*].

## **10 OVERDOSAGE**

Signs and symptoms of overdose with Orenitram during clinical trials reflect its dose-limiting pharmacologic effects and include severe headache, nausea, vomiting, diarrhea, and hypotension. Treat supportively.

## **11 DESCRIPTION**

Orenitram is an extended-release osmotic tablet for oral administration. Orenitram is formulated as the diolamine salt of treprostinil, a tricyclic benzindene analogue of prostacyclin. The chemical name is Acetic acid, 2-[[[(1R,2R,3aS,9aS)-2,3,3a,4,9,9a-hexahydro-2-hydroxy-1-[(3S)-3-hydroxyoctyl]-1H-benz[f]inden-5-yl]oxy]-, complexed with 2,2'-iminobis[ethanol] (1:1). The molecular formula is C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>•C<sub>4</sub>H<sub>11</sub>NO<sub>2</sub>, the molecular weight is 495.65, and it has the following structural formula:



Orenitram tablets are formulated in five strengths, which contain 0.125 mg of treprostiniol (equivalent to 0.159 mg treprostiniol diolamine), 0.25 mg of treprostiniol (equivalent to 0.317 mg treprostiniol diolamine), 1 mg of treprostiniol (equivalent to 1.27 mg treprostiniol diolamine), 2.5 mg of treprostiniol (equivalent to 3.17 mg treprostiniol diolamine), or 5 mg of treprostiniol (equivalent to 6.35 mg treprostiniol diolamine). The formulations also contain xylitol, maltodextrin, sodium lauryl sulfate, magnesium stearate, cellulose acetate, triethyl citrate, polyvinyl alcohol, titanium dioxide, polyethylene glycol, and talc. In addition, tablets may contain colorants FD&C Blue #2, iron oxide yellow, and iron oxide red. The imprint ink contains shellac glaze, ethanol, isopropyl alcohol USP, iron oxide black, n-butyl alcohol, and propylene glycol.

Orenitram is designed to release treprostiniol at a near zero-order rate using an osmotic tablet technology. The tablet core is coated with a semi-permeable membrane and has a laser-drilled aperture through the membrane. Upon contact with water (e.g., after ingestion), the core tablet absorbs water through the semi-permeable membrane. The water dissolves the water-soluble treprostiniol diolamine and the water-soluble osmotic excipients, which creates hydrostatic pressure within the membrane, eventually forcing the drug across the membrane at a controlled rate.

## 12 CLINICAL PHARMACOLOGY

### 12.1 Mechanism of Action

The major pharmacologic actions of treprostiniol are direct vasodilation of pulmonary and systemic arterial vascular beds, inhibition of platelet aggregation, and inhibition of smooth muscle cell proliferation.

### 12.2 Pharmacodynamics

In a clinical trial of 240 healthy adult volunteers, single doses of inhaled treprostiniol 54 µg (the target clinical dose) and 84 µg (supratherapeutic inhalation dose) prolonged the corrected QTc interval by approximately 10 msec. The QTc effect dissipated rapidly as the concentration of treprostiniol decreased. Orenitram has not been evaluated in a thorough QTc study.

### 12.3 Pharmacokinetics

In patients with PAH, pharmacokinetics of treprostinil is dose-proportional for systemic exposure ( $AUC_{0-t}$ ) over the dose range from 0.5 to 15 mg BID. Upon repeat administration with a BID regimen, the accumulation in the systemic exposures to treprostinil is minimal and results in a peak-to-trough ratio of approximately 7. However, a TID regimen will reduce the peak-to-trough fluctuations to approximately 2.5 for the same total daily dose.

### Absorption

The absolute oral bioavailability of Orenitram is approximately 17%. Maximum treprostinil concentrations occur between approximately 4 and 6 hours following Orenitram administration. Time to reach steady-state concentrations for both BID and TID regimens is approximately 1 to 2 days.

The absorption of Orenitram is affected by food. The  $AUC_{inf}$  of treprostinil was increased by 49% and the  $C_{max}$  was increased by an average of 13% when Orenitram was administered following a high-fat, high-calorie meal compared to fasting conditions in healthy volunteers. The relative bioavailability of treprostinil following oral administration of Orenitram 1 mg is not significantly altered by meal types ranging from 250 to 500 calories in healthy volunteers.

When Orenitram 1 mg was administered with alcohol at 0.5 mg/kg or the equivalent of 3 servings (at the same time, or  $\pm$  1 hour relative to alcohol consumption), there was no significant change (10% to 20% increase) in the exposure to treprostinil compared to Orenitram administered alone.

### Distribution

The treprostinil component of Orenitram is highly bound to human plasma proteins, approximately 96% over a treprostinil concentration range of 0.01 to 10  $\mu$ g/mL.

### Metabolism and Excretion

In a study conducted in healthy volunteers using [ $^{14}$ C] treprostinil, treprostinil was extensively metabolized on the side chain of the molecule via oxidation, oxidative cleavage, dehydration, and glucuronic acid conjugation. Treprostinil is primarily metabolized by CYP2C8 and to a lesser extent by CYP2C9. No new major metabolites are found upon oral administration compared to parenteral administration of treprostinil. Only 1.13% and 0.19% is excreted as unchanged parent drug in the feces and urine, respectively. Based on *in vitro* studies, treprostinil does not inhibit or induce major CYP enzymes [see *Drug Interactions (7.1)*].

### Specific Populations

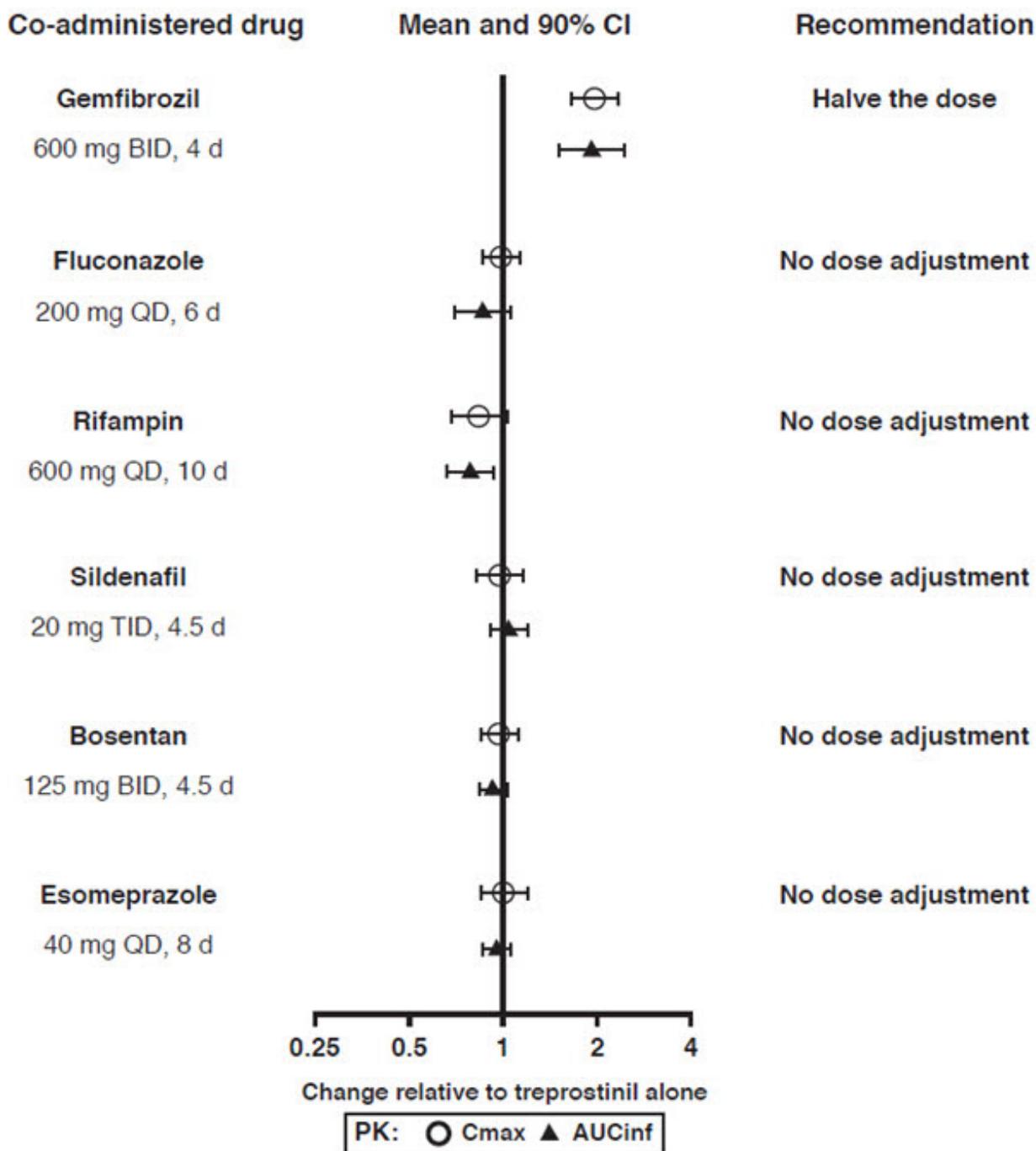
**Hepatic Impairment:** In subjects with mild (n=8) hepatic impairment, administration of a single 1 mg dose of Orenitram resulted in a mean  $C_{max}$  and an  $AUC_{0-inf}$  that were 1.6- and 2.1-fold values seen in healthy subjects, respectively. With moderate impairment (n=8), the corresponding ratios were 4.0- and 4.8-fold, and with severe impairment (n=6), they were 4.8- and 7.6-fold [see *Dosage and Administration (2.3)*, *Contraindications (4)*, and *Use in Specific Populations (8.6)*].

**Renal Impairment:** In patients with severe renal impairment requiring dialysis (n=8), administration of a single 1 mg dose of Orenitram pre- and post-dialysis resulted in an  $AUC_{0-inf}$  that was not significantly altered compared to healthy subjects.

### Drug Interactions

Results of drug interaction studies are shown in Figure 1. Only for the strong CYP2C8 inhibitor does the interaction affect dosing [see *Dosage and Administration (2.4)*].

**Figure 1: Impact of Co-Administered Drugs on the Systemic Exposure of Treprostinil 1 mg Compared to Orenitram Administered Alone**



**Warfarin:** A drug interaction study was carried out with Remodulin co-administered with warfarin (25 mg/day) in healthy volunteers. There was no clinically significant effect of either medication on the pharmacokinetics of treprostinil. Additionally, treprostinil did not affect the pharmacokinetics or pharmacodynamics of warfarin. The pharmacokinetics of R- and S-warfarin and the international normalized ratio (INR) in healthy subjects given a single 25 mg dose of warfarin were unaffected by continuous subcutaneous infusion of

treprostinil at an infusion rate of 10 ng/kg/min.

## **13 NONCLINICAL TOXICOLOGY**

### **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

Treprostinil diolamine did not demonstrate any carcinogenic effects in mouse or rat carcinogenicity studies. Oral administration of treprostinil diolamine to Tg.rasH2 mice at 0, 5, 10, and 20 mg/kg/day in males and 0, 3, 7.5, and 15 mg/kg/day in females daily for 26 weeks did not significantly increase the incidence of tumors. Oral administration of treprostinil diolamine to Sprague Dawley rats at 0, 1, 3, and 10 mg/kg/day daily for 104 weeks did not significantly increase the incidence of tumors. The exposures obtained at the highest dose levels used in males and females are about 13- and 18-fold, respectively, the human exposure at the dose of 3.5 mg BID on an AUC basis.

*In vitro* genotoxicity studies with high doses of treprostinil did not demonstrate any mutagenic or clastogenic effects. Treprostinil diolamine was tested *in vivo* in a rat micronucleus assay and did not induce an increased incidence of micronucleated polychromatic erythrocytes.

In rats, treatment with treprostinil diolamine had no effect on reproductive performance or sperm motility at doses up to 10 mg/kg/day. The exposures at this dose level are about 6- (male) to 11- (female) fold the human exposure at the dose of 3.5 mg BID on an AUC basis.

## **14 CLINICAL STUDIES**

### **14.1 Clinical Trials in Pulmonary Arterial Hypertension**

Four multicenter, randomized, double-blind studies were conducted and compared Orenitram to placebo in a total of 349 (Study 1), 350 (Study 2), 310 (Study 3), and 690 (Study 4) patients with PAH.

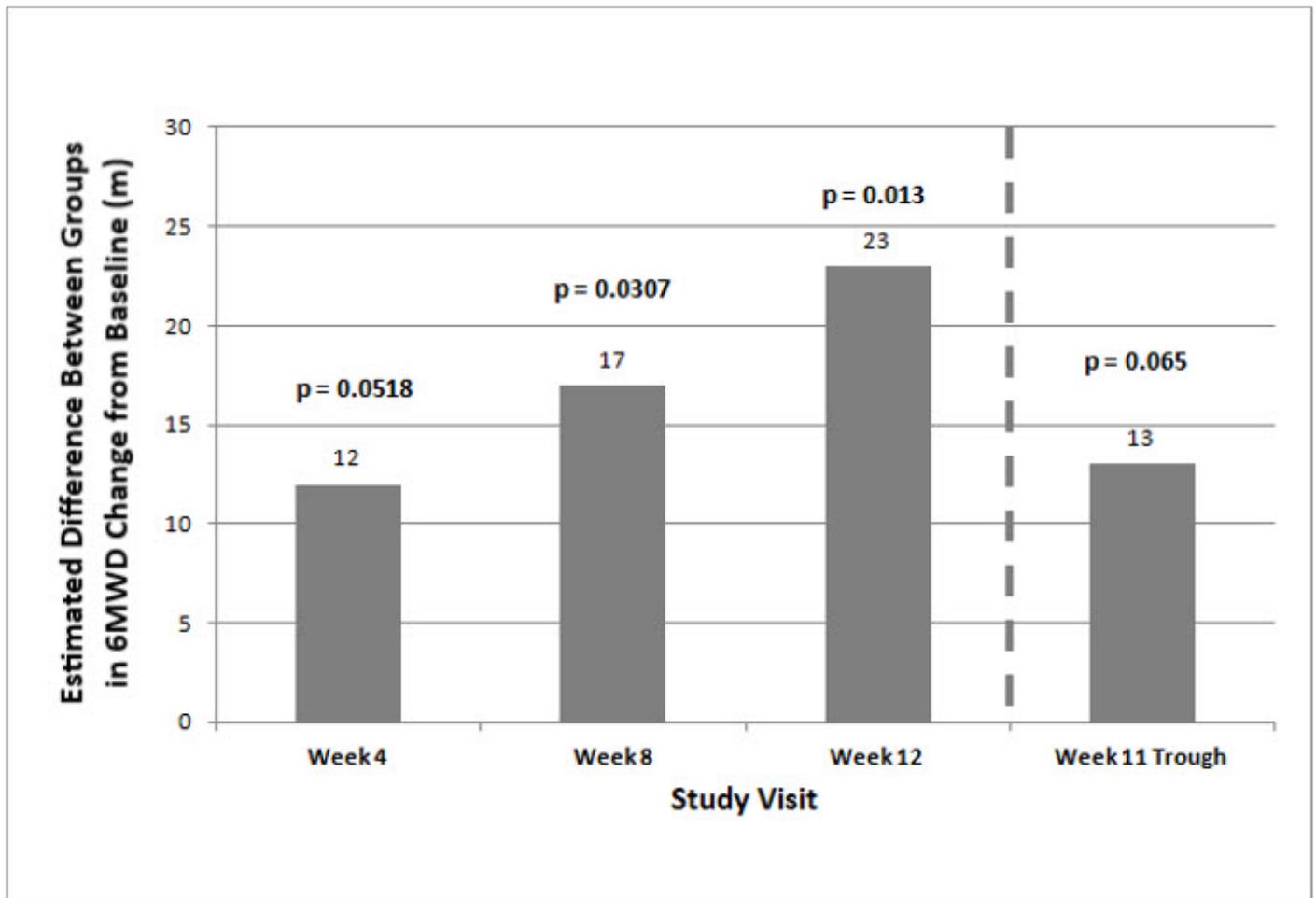
#### Study 1 (effect seen with no background vasodilator)

Study 1 was a 12-week, randomized (2:1 Orenitram to placebo), double-blind, placebo-controlled, international efficacy and safety study of Orenitram in patients with WHO Group 1 PAH not currently receiving PAH therapy. The primary efficacy endpoint was placebo-corrected change in six-minute walk distance (6MWD) from Baseline to Week 12. Study drug dose was titrated to a maximum of 12 mg BID based on clinical response and study drug tolerability. Study 1 enrolled 349 patients (overall analysis population) who were not receiving any PAH medication. At the beginning of the study, subjects were dosed with only the 1 mg tablets with 0.5 and 0.25 mg tablets introduced at sequentially later dates during the study. The primary analysis population consisted of the 228 patients who had access to the 0.25 mg tablet at the time of randomization. Patients were administered Orenitram or placebo twice daily, with the doses titrated to effect over the course of the 12-week trial. Patients were in WHO functional class II (~33%) and class III (~66%) with either idiopathic or heritable PAH (~75%), collagen vascular disease associated PAH (~19%), or PAH associated with HIV (1%) or congenital heart defect (5%) or other conditions (~6%). The patients' mean baseline 6MWD was approximately 330 meters. In the primary analysis population, 17% of patients

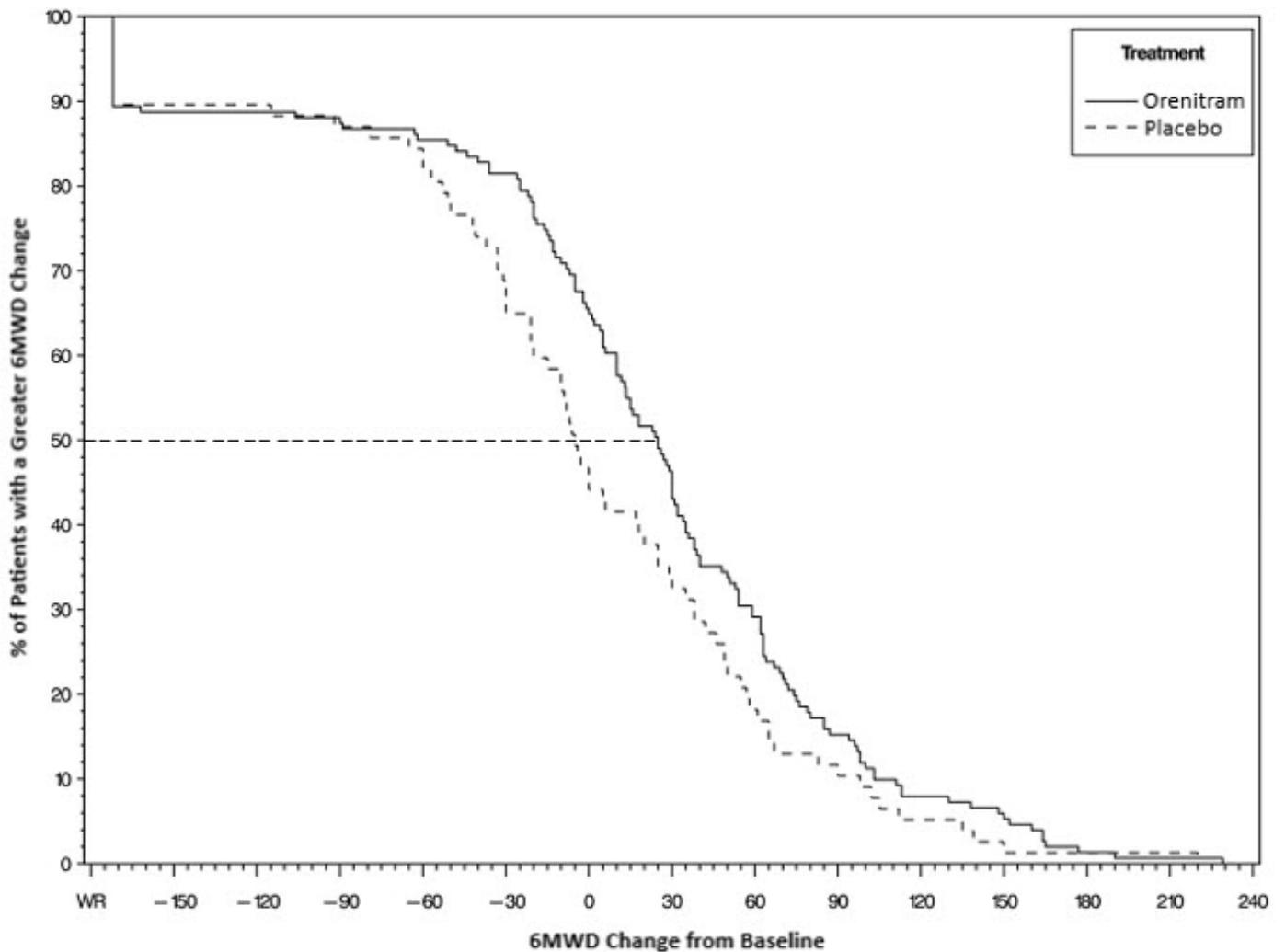
discontinued Orenitram compared to 14% of patients on placebo.

The primary efficacy endpoint of the trial was the change in 6MWD at 12 weeks for the primary analysis population. Analysis of Study 1 results demonstrated that those patients receiving Orenitram compared to patients receiving placebo improved their median change in 6MWD by approximately 23 meters ( $p=0.013$ ) as compared to patients receiving placebo as demonstrated in (Figure 2). The within group median change from baseline was +25 meters for Orenitram and -5 meters for placebo at Week 12 (N=228). Mean dose ( $\pm$ SD) in the Orenitram group was  $2.3 \pm 1.3$ ,  $3.2 \pm 1.9$ , and  $3.4 \pm 1.9$  mg BID at Weeks 4, 8, and 12, respectively, with a maximum dose of 12 mg BID. The distribution of the 6MWD change from baseline at Week 12 was also plotted across the range of observed values (Figure 3).

**Figure 2: Estimate of Treatment Effect by Visit for the Primary Analysis Population (Study 1)**

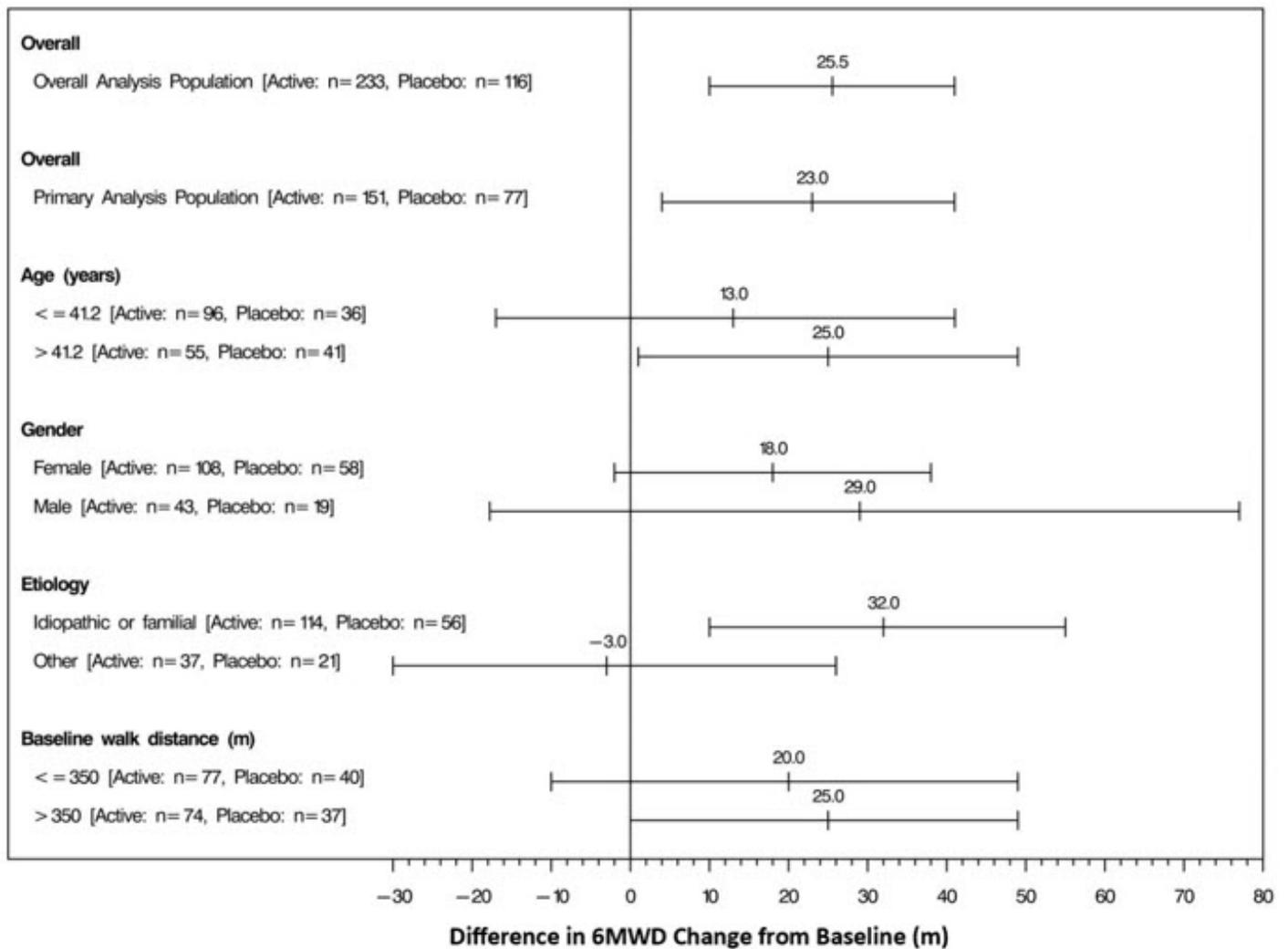


**Figure 3: Plot of the Distribution of Peak 6MWD Changes at Week 12 for the Primary Analysis Population (Study 1)**



The placebo-corrected median treatment effect on 6MWD was estimated within various subpopulations defined by age, gender, disease etiology, and baseline 6MWD (Figure 4).

**Figure 4: Placebo Corrected Median Treatment Effect (with 95% CI) on 6MWD Change from Baseline at Week 12 for Various Subgroups in the Primary Analysis Population (Study 1)**



Studies 2 and 3 (no effect on a background of ERA, PDE-5 inhibitor, or both)

Studies 2 (N=350) and 3 (N=310) were 16-week, randomized, double-blind, placebo-controlled, international efficacy and safety studies of Orenitram in patients with WHO Group 1 PAH. The primary efficacy endpoint was placebo-corrected change in 6MWD from Baseline to Week 16. Patients were in WHO functional class II (~23%) and class III (~77%) with either idiopathic or heritable PAH (~66%), collagen vascular disease associated PAH (~29%), or PAH associated with HIV (1%) or congenital heart defect (4%). The patients' mean baseline 6MWD was approximately 340 meters. Approximately 40% were receiving both an ERA and a PDE-5 inhibitor. The results did not demonstrate a benefit in exercise testing with median 6MWD at Week 16.

Study 4 (effect seen with a single background PAH therapy)

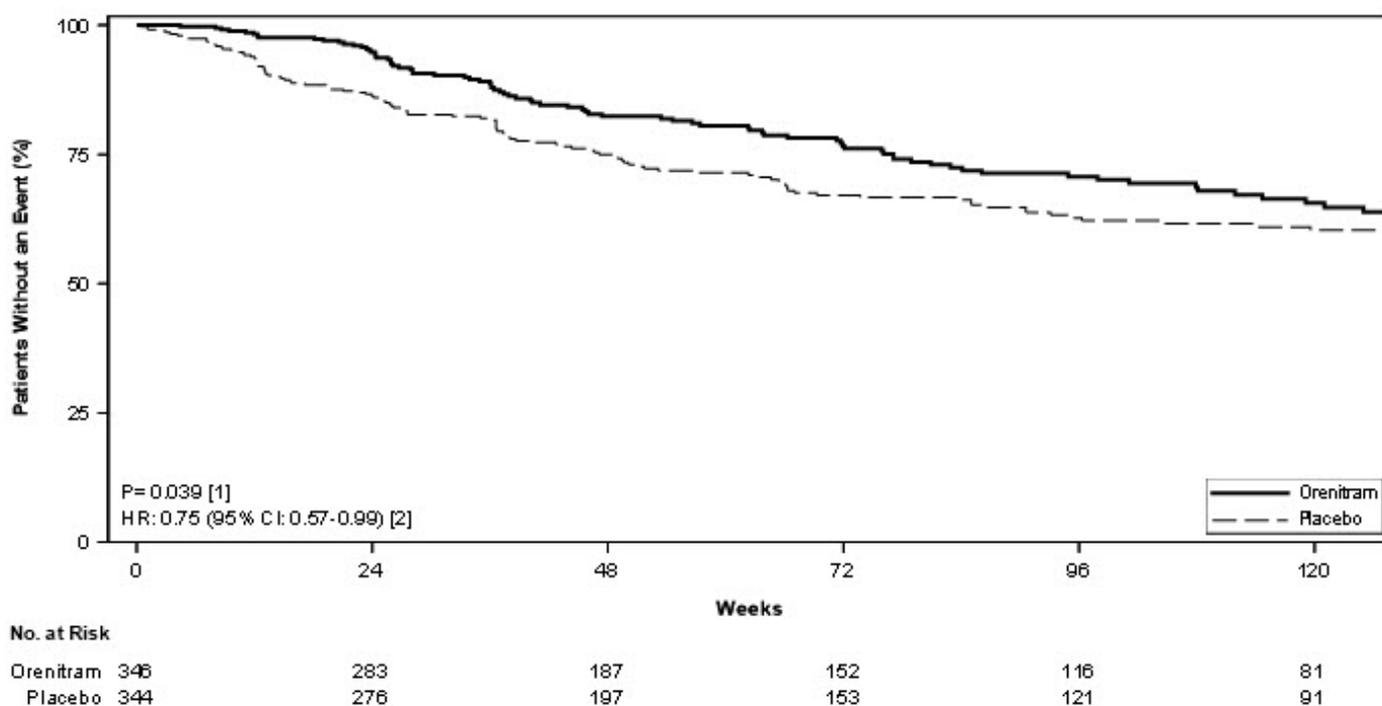
The effect of Orenitram on the progression of PAH was demonstrated in an international, multicenter, double-blind, event-driven study in patients with WHO Group 1 PAH randomized 1:1 to Orenitram or placebo (Study 4). The primary efficacy endpoint was the time to first clinical worsening (morbidity or mortality) event. Study drug dose was titrated starting at 0.125 mg TID to a maximum of 12 mg TID based on clinical response and study drug tolerability. Study 4 enrolled a total of 690 patients (primary efficacy analysis population) who were currently receiving a single approved PAH therapy (PDE-5 inhibitor or soluble guanylate cyclase (sGC) [72%]; ERA [28%]). The median age was 43 years and most patients were white (52%) and female (79%). The majority of patients were lower risk in WHO functional class II (63%) with a mean ( $\pm$ SD)

baseline 6MWD of 396 ( $\pm 96$ ) meters. Most patients had either idiopathic or heritable PAH (63%) or collagen vascular disease associated PAH (26%).

Patients treated with Orenitram achieved a median dose of 3.6 mg TID at Week 24, which continued to increase until approximately Week 60 where the median dose of Orenitram was approximately 5 mg TID.

Treatment with Orenitram resulted in a significant increase in the time to first clinical worsening event compared with patients who received placebo, which was associated with a reduction in the risk of an event (HR=0.75 [95% CI; 0.57, 0.99];  $p=0.039$ ; Figure 5). The beneficial effect of Orenitram was primarily attributable to a delay in disease progression—defined as a 15% decline in 6MWD plus an increase in either WHO Functional Class or worsening of signs or symptoms of right heart failure—(HR=0.39 [95% CI; 0.23, 0.66]; Figure 6), but there was no effect on the other components of clinical worsening (Table 2).

**Figure 5: Kaplan-Meier Plot of Time to Clinical Worsening Events for the Primary Analysis Population (Study 4)**



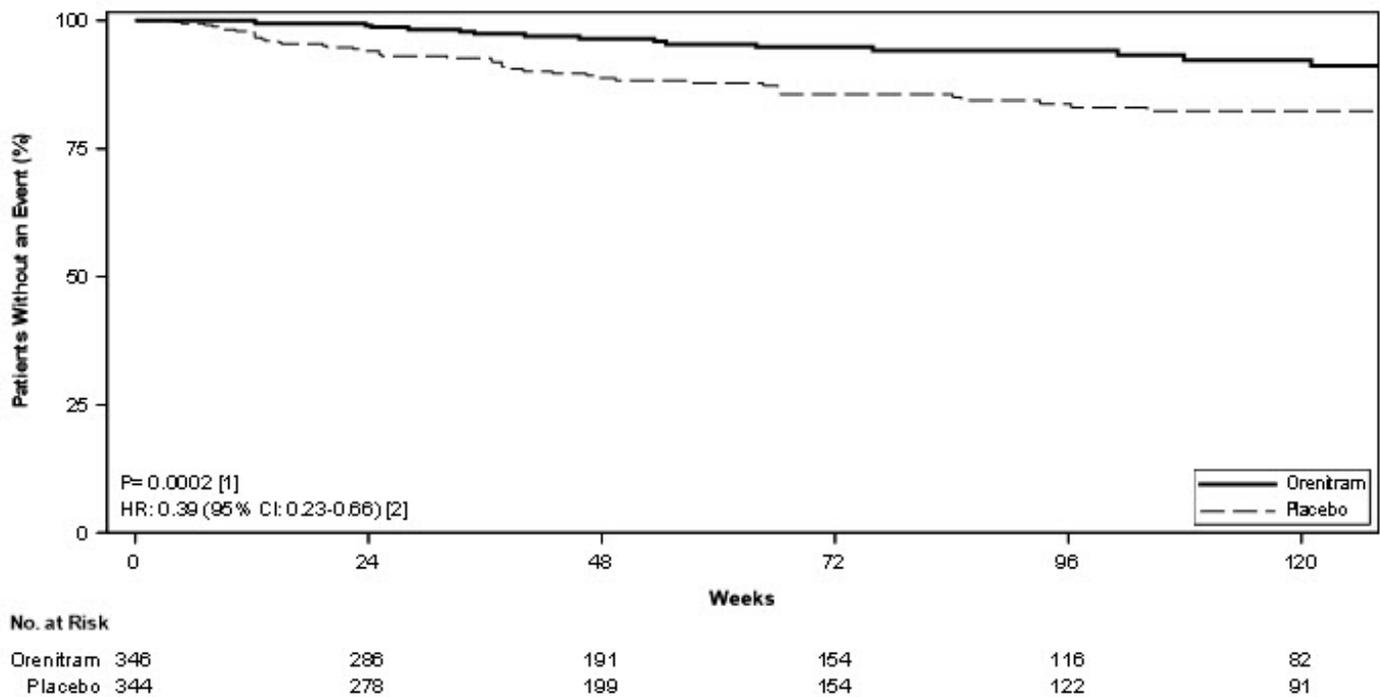
**Table 2: Primary Endpoint Events (Study 4)**

		Orenitram % N=346	Placebo % N=344	HR (95% CI)
<b>Clinical worsening</b>		26	36	0.75 (0.57, 0.99)
<b>Any of</b>	<b>All-cause mortality</b>	4.3	4.1	
	<b>Hospitalization for PAH</b>	10	10	
	<b>Inhaled/IV PGI<sub>2</sub></b>	0.6	1.5	
	<b>Unsatisfactory long-</b>	5.5	5.8	

these	term clinical response		5.5	5.0	
	Disease progression		5.5	14.5	0.39 (0.23, 0.66)
This →	15% decrease in 6MWD		5.5	14.5	
	Plus one of these	Increase in WHO functional class	2.6	8.1	
		Increased RHF symptoms	2.9	6.4	

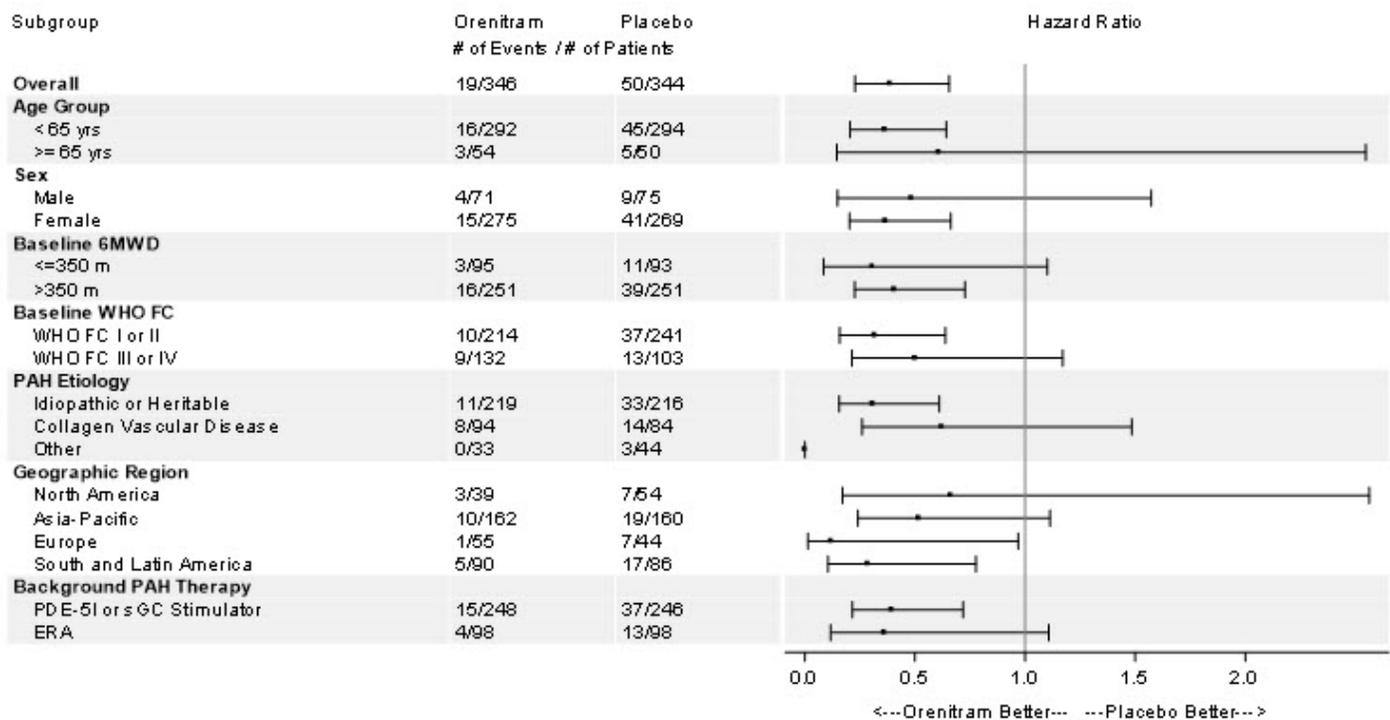
6MWD, 6-minute walk distance; CI, confidence interval; HR, hazard ratio; IV PGI<sub>2</sub>, intravenously administered prostacyclin; PAH, pulmonary arterial hypertension; RHF, right heart failure; WHO, World Health Organization

**Figure 6: Kaplan-Meier Plot of Time to Disease Progression for the Primary Analysis Population (Study 4)**



The treatment effect on time to first clinical worsening event due to disease progression was consistent for various subgroups defined by age, sex, baseline 6MWD, WHO functional class, disease etiology, geographical regions, and background therapy (Figure 7).

**Figure 7: Forest Plot of Subgroup Analyses of Time to Disease Progression for Various Subgroups in the Primary Analysis Population (Study 4)**



## Long-Term Treatment of Pulmonary Arterial Hypertension

Patients (N=824) from the placebo-controlled studies entered a long-term, uncontrolled, open-label extension study. The average exposure to Orenitram was approximately 2 years with a maximum exposure of approximately 6 years. The dose of Orenitram continued to increase over time with doses (mean  $\pm$  SD) of  $3.6 \pm 2.7$ ,  $4.2 \pm 3.1$ , and  $5 \pm 3.7$  mg BID at 6 (n=649), 12 (n=433), and 24 months (n=238), respectively, with a maximum dose of 21 mg BID. Reasons for discontinuation from the study included adverse event (16%), progression of disease (15%), death (13%), and withdrawn consent (7%). In the 522 subjects that completed the 12-month efficacy assessment, their mean 6MWD improved by 24 meters compared to baseline (30 meters in monotherapy patients and 20 meters when Orenitram was used in combination with an ERA and/or a PDE-5 inhibitor). Of the patients that remained in the study, overall survival was 92%, 87%, and 82% at the end of 1, 2, and 3 years, respectively, with progression-free survival (progression defined as death, discontinuation, or addition of a PAH therapy) of 74%, 61%, and 47%. Without a control group, these data must be interpreted cautiously.

## Remodulin to Orenitram Transition Study

A 24-week, multicenter, open-label study enrolled 33 WHO Group 1 patients on stable doses of Remodulin. All patients received background therapy with a PDE-5 inhibitor and/or ERA. Patients were WHO functional class I or II and hemodynamically stable at baseline with a cardiac index  $>2.2$  L/m<sup>2</sup>, RAP  $<11$  mmHg, and PVR  $<10$  Wood units. The primary endpoint of the study was the safety and tolerability of the transition. Successful transition was defined as transition from Remodulin to Orenitram at Week 4 (no longer receiving Remodulin) and clinically maintained on Orenitram through Week 24 (as measured by 6MWD and hemodynamics).

All patients transitioned from Remodulin to Orenitram (median time to transition of 3 days) with thirty-one patients (94%) completing transition in 5 days (range 2 to 29 days). Two subjects discontinued Orenitram. After 24 weeks of treatment with

Orenitram, 6MWD and hemodynamics remained stable. Without a control group, these data must be interpreted cautiously.

## 16 HOW SUPPLIED/STORAGE AND HANDLING

### 16.1 How Supplied

Orenitram is an 8-mm round biconvex tablet with strength identified by color and print and supplied as follows:

Strength	Color	Printing on Tablets	NDC # 100-Count Bottle	NDC # 10-Count Bottle	NDC # 10-Count Carton (Unit-Dose Blister)
0.125 mg	White	UT 0.125	66302-300-01	66302-300-10	66302-300-02
0.25 mg	Green	UT 0.25	66302-302-01	66302-302-10	66302-302-02
1 mg	Yellow	UT 1	66302-310-01	66302-310-10	66302-310-02
2.5 mg	Pink	UT 2.5	66302-325-01	66302-325-10	66302-325-02
5 mg	Red	UT 5	66302-350-01	66302-350-10	66302-350-02

Titration Kits for Orenitram are supplied in the following configurations:

Titration Kit	Blister Configurations	NDC #
Month 1 containing four weekly cartons	<p>Seven daily wallet blister packs in each weekly carton containing the following total number of tablets:</p> <ul style="list-style-type: none"> <li>• Week 1 (twenty-one × 0.125 mg tablets)</li> <li>• Week 2 (forty-two × 0.125 mg tablets)</li> <li>• Week 3 (twenty-one × 0.125 mg tablets and twenty-one × 0.25 mg tablets)</li> <li>• Week 4 (forty-two × 0.125 mg tablets and twenty-one × 0.25 mg tablets)</li> </ul>	66302-361-28
Month 2 containing	<p>Seven daily wallet blister packs in each weekly carton containing the following total number of tablets:</p> <ul style="list-style-type: none"> <li>• Week 5 (twenty-one × 0.125 mg tablets and forty-two × 0.25 mg tablets)</li> </ul>	

containing four weekly cartons	<ul style="list-style-type: none"> <li>• Week 6 (forty-two × 0.125 mg tablets and forty-two × 0.25 mg tablets)</li> <li>• Week 7 (twenty-one × 0.125 mg tablets and sixty-three × 0.25 mg tablets)</li> <li>• Week 8 (forty-two × 0.125 mg tablets and sixty-three × 0.25 mg tablets)</li> </ul>	66302-362-56
Month 3 containing four weekly cartons	<p>Seven daily wallet blister packs in each weekly carton containing the following total number of tablets:</p> <ul style="list-style-type: none"> <li>• Week 9 (twenty-one × 0.125 mg tablets and twenty-one × 1 mg tablets)</li> <li>• Week 10 (forty-two × 0.125 mg tablets and twenty-one × 1 mg tablets)</li> <li>• Week 11 (twenty-one × 0.125 mg tablets, twenty-one × 0.25 mg tablets, and twenty-one × 1 mg tablets)</li> <li>• Week 12 (forty-two × 0.125 mg tablets, twenty-one × 0.25 mg tablets, and twenty-one × 1 mg tablets)</li> </ul>	66302-363-84

## 16.2 Storage

Store at 20°C to 25°C (68°F to 77°F) with excursions permitted to 15°C to 30°C (59°F to 86°F) [See USP Controlled Room Temperature]. Keep out of reach of children.

## 17 PATIENT COUNSELING INFORMATION

See FDA-approved patient labeling (*Patient Information*).

Tell patients:

- Abrupt discontinuation of therapy could result in worsening of PAH symptoms.
- Take Orenitram with food.
- Swallow Orenitram tablets whole. Do not split, chew, crush, or break. Do not take a tablet that is damaged or broken.
- The biologically inert components of the tablet remain intact during gastrointestinal transit and are eliminated in the feces as an insoluble shell.

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United Therapeutics Corp.  
Research Triangle Park, NC 27709

<p><b>Patient Information</b>  <b>Orenitram<sup>®</sup> (oh-REN-i-tram)</b>  <b>(treprostinil) extended-release tablets</b></p>
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### What is Orenitram?

- Orenitram is a prescription medicine used to treat pulmonary arterial hypertension

(PAH) which is high blood pressure in the arteries of your lungs.

- Orenitram can help slow down the progression of your disease and improve your ability to exercise.

It is not known if Orenitram is safe and effective in children.

**Do not take Orenitram** if you have severe liver problems.

**Before taking Orenitram, tell your healthcare provider about all of your medical conditions, including if you:**

- have liver problems
- have diverticulosis
- are pregnant or plan to become pregnant. It is not known if Orenitram will harm your unborn baby.
- are breastfeeding or plan to breastfeed. It is not known if Orenitram passes into your breast milk. Talk to your healthcare provider about the best way to feed your baby during treatment with Orenitram.

**Tell your healthcare provider about all the medicines you take**, including prescription and over-the-counter medicines, vitamins, and herbal supplements. Orenitram and other medicines may affect each other causing side effects. Do not start any new medicine until you check with your healthcare provider.

Especially tell your healthcare provider if you take another medicine that contains treprostinil, such as Remodulin<sup>®</sup>, Tyvaso<sup>®</sup>, or Tyvaso DPI<sup>®</sup>.

**How should I take Orenitram?**

- Take Orenitram exactly as your healthcare provider tells you to take it.
- Your healthcare provider will slowly increase your dose to find the dose of Orenitram that is right for you.
- If you take the medicine Remodulin and your healthcare provider is switching you to Orenitram, your healthcare provider will decrease your dose of Remodulin over a period of time when you start taking Orenitram.
- **Do not change your dose or suddenly stop taking Orenitram without first talking to your healthcare provider.**
- Orenitram is usually taken 3 times a day (about every 8 hours) or 2 times a day (about every 12 hours). Your healthcare provider will tell you how often you should take Orenitram. If you have side effects, your healthcare provider may tell you to change your dose or when you take Orenitram.
- Take Orenitram with food.
- Swallow Orenitram tablets whole. Do not split, chew, crush, or break your Orenitram tablets. Do not take Orenitram tablets that are damaged or broken. **If Orenitram tablets are not taken whole, they may release too much medicine at one time. This can lead to side effects.**
- You may see the tablet shell in your stools (bowel movements). This is usually normal. The tablet shell is not digested. If you have diverticulosis, the tablet shell may get stuck in a blind pouch or diverticulum in your intestine.
- If you miss your dose of Orenitram, take the missed dose as soon as possible with food.
- If you miss 2 or more doses of Orenitram, call your healthcare provider to see if you need to change your dose.
- If you take too much Orenitram, call your healthcare provider or go to the nearest hospital emergency room right away.

## **What are the possible side effects of Orenitram?**

**Orenitram can cause serious side effects, including worsening of PAH symptoms.**

- Stopping Orenitram suddenly may cause worsening of your PAH symptoms. **Do not change your dose or suddenly stop taking Orenitram without first talking to your healthcare provider.**

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

- headache
- diarrhea
- nausea
- vomiting
- flushing
- pain in arms and legs
- jaw pain

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

These are not all of the possible side effects of Orenitram. For more information, ask your healthcare provider or pharmacist.

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

### **How should I store Orenitram?**

- Store at 68°F to 77°F (20°C to 25°C).

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

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

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information Leaflet.

Do not use Orenitram for a condition for which it was not prescribed. Do not give Orenitram to other people, even if they have the same symptoms that you have. It may harm them. You can ask your healthcare provider or pharmacist for information about Orenitram that is written for health professionals.

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

**Active ingredient:** treprostinil diolamine

**Inactive ingredients:** xylitol, maltodextrin, sodium lauryl sulfate, magnesium stearate, cellulose acetate, triethyl citrate, polyvinyl alcohol, titanium dioxide, polyethylene glycol, and talc. In addition, tablets may contain colorants FD&C Blue #2, iron oxide yellow, and iron oxide red. The imprint ink contains shellac glaze, ethanol, isopropyl alcohol, iron oxide black, n-butyl alcohol, and propylene glycol.

United Therapeutics Corp., Research Triangle Park, NC 27709 USA

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ORENITRAM is a registered trademark of United Therapeutics Corp.

For more information, go to [www.orenitram.com](http://www.orenitram.com) or call 1-877-864-8437.

This Patient Information has been approved by the U.S. Food and Drug Administration.

Revised: 02/2023

## **PRINCIPAL DISPLAY PANEL - 0.125 mg Tablet Bottle Label**

NDC 66302-300-01

100 Tablets

Orenitram®  
(treprostinil)  
Extended-Release  
Tablets

0.125 mg

Swallow whole.  
Do not split, chew, crush  
or break tablets.



## PRINCIPAL DISPLAY PANEL - 0.125 mg Tablet Blister Pack Carton

Orenitram®  
(treprostinil)  
EXTENDED-RELEASE TABLETS

0.125 mg  
per tablet

Swallow whole.  
Do not split, chew,  
crush, or break tablets.

10 Tablets  
(1 x 10 tablet blister pack)

Pharmacist:  
Dispense the accompanying Patient  
Information Leaflet to each patient.

Rx Only  
NDC 66302-300-02



**PRINCIPAL DISPLAY PANEL - 0.25 mg Tablet Bottle Label**

NDC 66302-302-01

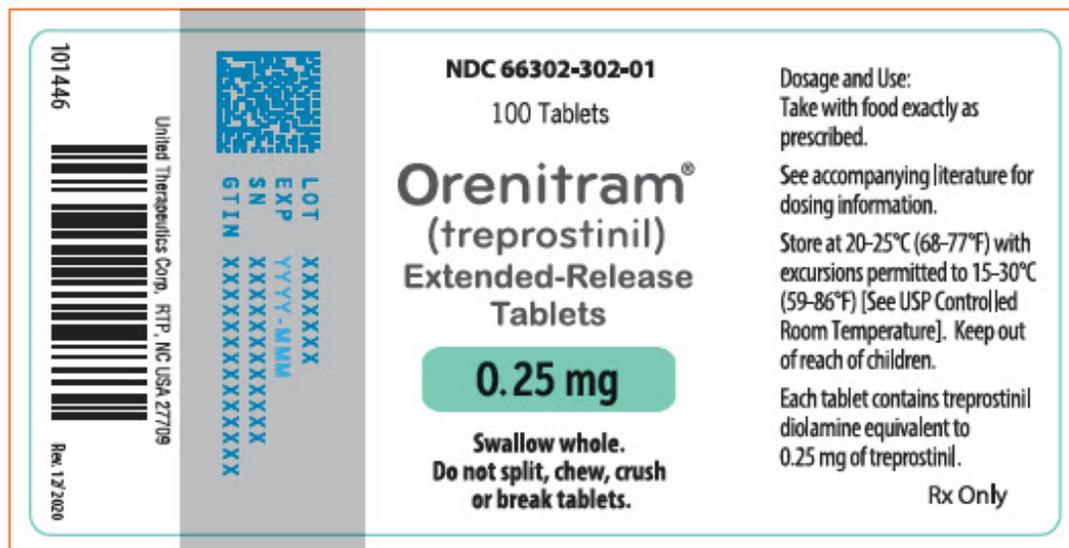
100 Tablets

Orenitram®  
 (treprostinil)  
 Extended-Release  
 Tablets

0.25 mg

Swallow whole.

Do not split, chew, crush  
or break tablets.



## PRINCIPAL DISPLAY PANEL - 0.25 mg Tablet Blister Pack Carton

Orenitram<sup>®</sup>

(treprostinil)

EXTENDED-RELEASE TABLETS

0.25 mg  
per tablet

Swallow whole.

Do not split, chew,  
crush, or break tablets.

10 Tablets

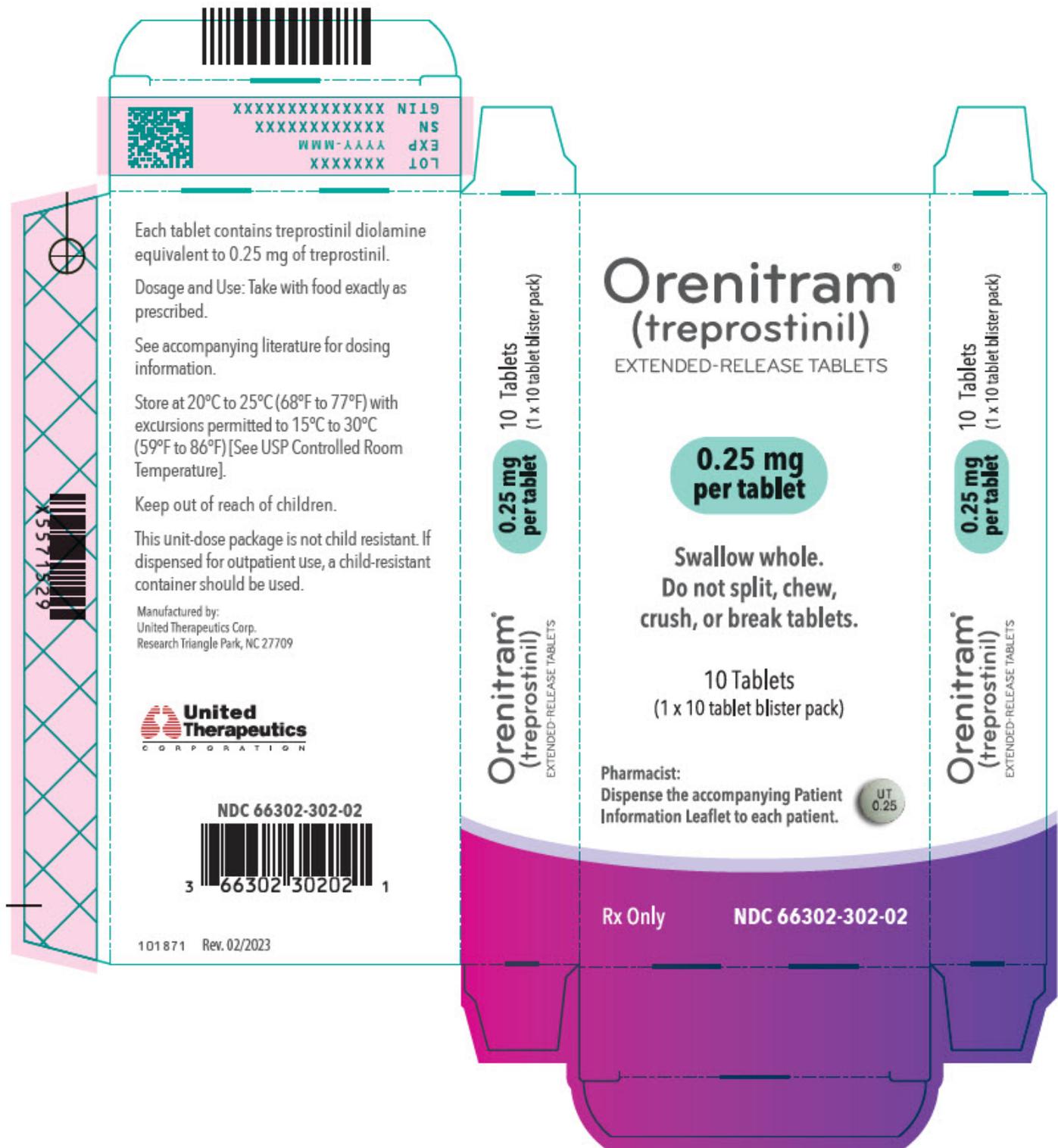
(1 x 10 tablet blister pack)

Pharmacist:

Dispense the accompanying Patient  
Information Leaflet to each patient.

Rx Only

NDC 66302-302-02



**PRINCIPAL DISPLAY PANEL - 1 mg Tablet Bottle Label**

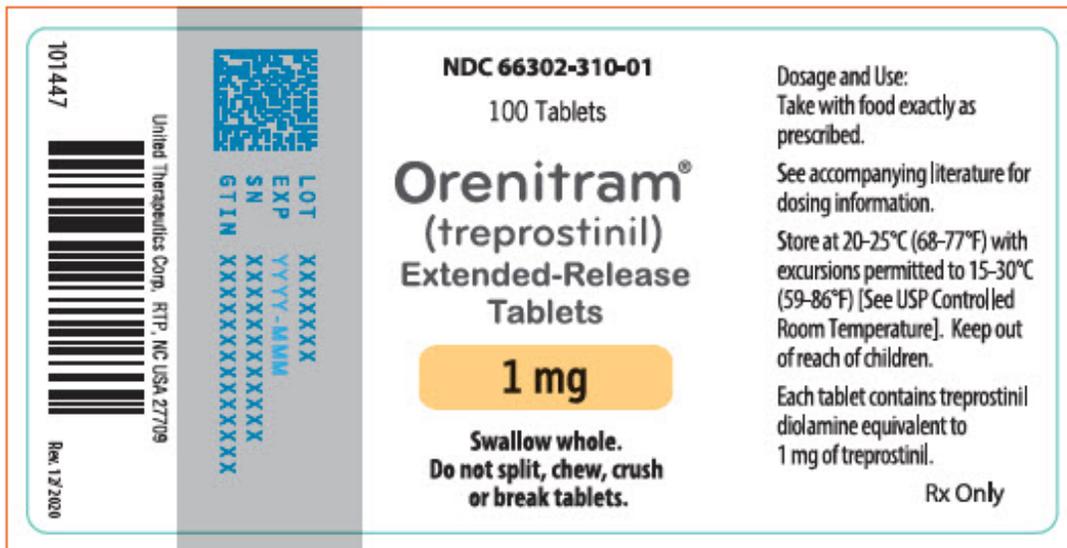
NDC 66302-310-01

100 Tablets

Orenitram®  
 (treprostinil)  
 Extended-Release  
 Tablets

1 mg

Swallow whole.  
Do not split, chew, crush  
or break tablets.



## PRINCIPAL DISPLAY PANEL - 1 mg Tablet Blister Pack Carton

Orenitram®  
(treprostinil)  
EXTENDED-RELEASE TABLETS

1 mg  
per tablet

Swallow whole.  
Do not split, chew,  
crush, or break tablets.

10 Tablets  
(1 x 10 tablet blister pack)

Pharmacist:  
Dispense the accompanying Patient  
Information Leaflet to each patient.

Rx Only  
NDC 66302-310-02



**PRINCIPAL DISPLAY PANEL - 2.5 mg Tablet Bottle Label**

NDC 66302-325-01

100 Tablets

Orenitram®  
 (treprostinil)  
 Extended-Release  
 Tablets

2.5 mg

Swallow whole.

Do not split, chew, crush  
or break tablets.

101448

United Therapeutics Corp. RTP, NC USA 27709

Rev. 12/2020

LOT XXXXXXXX  
EXP YYY-MM  
SN XXXXXXXXXXXX  
GTIN XXXXXXXXXXXX

NDC 66302-325-01  
100 Tablets

**Orenitram<sup>®</sup>**  
(treprostinil)  
Extended-Release  
Tablets

**2.5 mg**

Swallow whole.  
Do not split, chew, crush  
or break tablets.

Dosage and Use:  
Take with food exactly as  
prescribed.  
See accompanying literature for  
dosing information.  
Store at 20-25°C (68-77°F) with  
excursions permitted to 15-30°C  
(59-86°F) [See USP Controlled  
Room Temperature]. Keep out  
of reach of children.  
Each tablet contains treprostinil  
diolamine equivalent to  
2.5 mg of treprostinil.

Rx Only

## PRINCIPAL DISPLAY PANEL - 2.5 mg Tablet Blister Pack Carton

Orenitram<sup>®</sup>

(treprostinil)

EXTENDED-RELEASE TABLETS

2.5 mg  
per tablet

Swallow whole.

Do not split, chew,  
crush, or break tablets.

10 Tablets

(1 x 10 tablet blister pack)

Pharmacist:

Dispense the accompanying Patient  
Information Leaflet to each patient.

Rx Only

NDC 66302-325-02



**PRINCIPAL DISPLAY PANEL - 5 mg Tablet Bottle Label**

NDC 66302-350-01

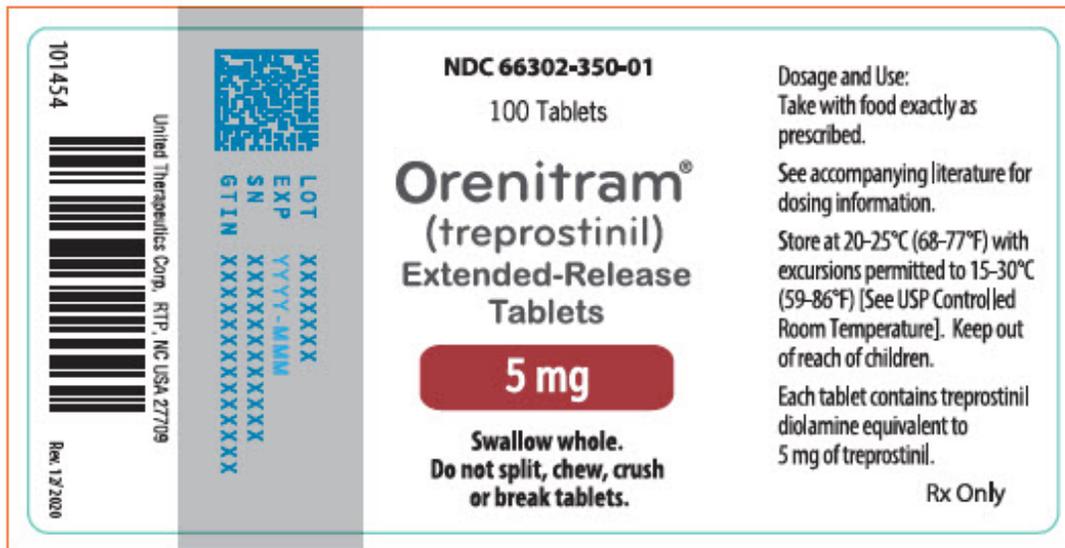
100 Tablets

Orenitram<sup>®</sup>  
 (treprostinil)  
 Extended-Release  
 Tablets

5 mg

Swallow whole.

Do not split, chew, crush  
or break tablets.



## PRINCIPAL DISPLAY PANEL - 5 mg Tablet Blister Pack Carton

Orenitram<sup>®</sup>

(treprostinil)

EXTENDED-RELEASE TABLETS

5 mg

per tablet

Swallow whole.

Do not split, chew,  
crush, or break tablets.

10 Tablets

(1 x 10 tablet blister pack)

Pharmacist:

Dispense the accompanying Patient  
Information Leaflet to each patient.

Rx Only

NDC 66302-350-02



**PRINCIPAL DISPLAY PANEL - Kit Carton - Month 1**

Rx Only

NDC 66302-361-28

Orenitram®  
 (treprostinil)  
 EXTENDED-RELEASE TABLETS

Titration Kit

Month 1

0.125 mg  
per tablet

0.25 mg  
per tablet

Swallow whole.

Do not split, chew, crush, or break tablets.

Kit Contains:

168 tablets (126 x 0.125 mg per tablet and  
42 x 0.25 mg per tablet).

Monthly carton contains 4 individual weekly cartons  
each with 7 daily wallet blister packs.



Titration is the process of slowly working up to the dose that's right for you. This is a common practice for introducing a new medicine to your body. Within this kit, you'll find your first month's worth of tablets, separated by week and day.

**Orenitram<sup>®</sup>**  
(treprostnil)  
EXTENDED-RELEASE TABLETS

**Week 1**



Per dose

**Week 2**



Per dose

**Week 3**



Per dose

**Week 4**



Per dose

**Weekly**

Each **Weekly Box** contains 7 identical Daily Packs. It's important to work through Weekly Boxes in order; the dose will increase each week to get you to the amount of medicine that meets your needs.

**Daily**

Each **Daily Pack** includes the tablets you should take over the course of a single day. Be sure to follow the instructions from your healthcare provider and on the package.

**Starting on Orenitram<sup>®</sup>**

This kit is designed to guide you through the first month of therapy with Orenitram.

Each week, you will take a new combination of tablets, because the doses gradually increase to help you get to the dose identified by your healthcare provider. Work through your Weekly Boxes in order, starting with Week 1 and finishing with Week 4.

If you have any questions about your therapy, reach out to your healthcare provider.

**Month 1**

**Orenitram<sup>®</sup>**  
(treprostnil)  
EXTENDED-RELEASE TABLETS

0.125 mg per tablet

0.25 mg per tablet

**Orenitram<sup>®</sup>**  
(treprostnil)  
EXTENDED-RELEASE TABLETS

0.125 mg per tablet

0.25 mg per tablet

**Titration Kit**

**Month 1**

**PRINCIPAL DISPLAY PANEL - Kit Carton - Month 2**

Rx Only

NDC 66302-362-56

Orenitram®

(treprostinil)

EXTENDED-RELEASE TABLETS

Titration Kit

Month 2

0.125 mg  
per tablet

0.25 mg  
per tablet

Swallow whole.

Do not split, chew, crush, or break tablets.

Kit Contains:

336 tablets (126 x 0.125 mg per tablet and  
210 x 0.25 mg per tablet).

Monthly carton contains 4 individual weekly cartons  
each with 7 daily wallet blister packs.

NDC 66302-362-56

Orenitram® (treprostinil)  
Extended-Release Tablets

The Month 2 Titration Kit includes:  
336 tablets (126 x 0.125 mg per  
tablet and 210 x 0.25 mg per  
tablet).

Each 0.125 mg tablet contains  
treprostinil dihydrate equivalent  
to 0.125 mg of treprostinil.

Each 0.25 mg tablet contains  
treprostinil dihydrate equivalent  
to 0.25 mg of treprostinil.

Monthly carton contains 4  
individual weekly cartons each  
with 7 daily wallet blister packs.

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

Keep out of reach of children.  
Risk by United Therapeutics Corp.,  
RTP, NC USA 27709

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United  
Therapeutics

125 mg  
per tablet

0.25 mg  
per tablet

FIND MORE INFORMATION AND RESOURCES  
AT [WWW.ORENITRAM.COM/KIT](http://WWW.ORENITRAM.COM/KIT)



NDC 66302-362-56

Rx Only

**Orenitram®**  
(treprostinil)  
EXTENDED-RELEASE TABLETS

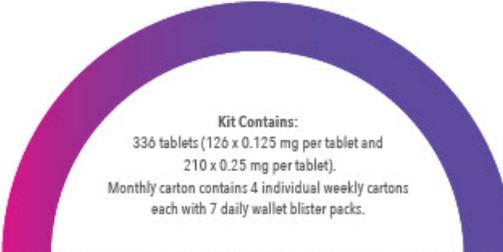
**Titration Kit**

**Month 2**

0.125 mg  
per tablet

0.25 mg  
per tablet

**Swallow whole.**  
Do not split, chew, crush, or break tablets.



**Kit Contains:**  
336 tablets (126 x 0.125 mg per tablet and  
210 x 0.25 mg per tablet).  
Monthly carton contains 4 individual weekly cartons  
each with 7 daily wallet blister packs.

**Your second month of Orenitram®**

Within this kit, you will find your second month's worth of tablets, separated by week and day.

**Orenitram<sup>®</sup>**  
(treprostinil)  
EXTENDED-RELEASE TABLETS  
0.125 mg per tablet 0.25 mg per tablet

**Week 5**



**Week 6**



**Week 7**



**Week 8**



**Weekly**

Each **Weekly Box** contains 7 identical Daily Packs. It's important to work through Weekly Boxes in order; the dose will increase each week to get you to the amount of medicine that meets your needs.

**Daily**

Each **Daily Pack** includes the tablets you should take over the course of a single day. Be sure to follow the instructions from your healthcare provider and on the package.

**Continuing treatment with Orenitram<sup>®</sup>**

This is your kit for Month 2 of your treatment with Orenitram. Just like in Month 1, the doses will increase each week. Work through your Weekly Boxes in order, starting with Week 5 and finishing with Week 8.

If you have any questions about your therapy, reach out to your healthcare provider.

**Month 2**

**Orenitram<sup>®</sup>**  
(treprostinil)  
EXTENDED-RELEASE TABLETS  
0.125 mg per tablet 0.25 mg per tablet

**Orenitram<sup>®</sup>**  
(treprostinil)  
EXTENDED-RELEASE TABLETS  
0.125 mg per tablet 0.25 mg per tablet

**Titration Kit**

**Month 2**

Rx Only

NDC 66302-363-84

Orenitram®

(treprostinil)

EXTENDED-RELEASE TABLETS

Titration Kit

Month 3

0.125 mg  
per tablet

0.25 mg  
per tablet

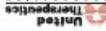
1 mg  
per tablet

Swallow whole.

Do not split, chew, crush, or break tablets.

Kit Contains:

252 tablets (126 x 0.125 mg per tablet,  
42 x 0.25 mg per tablet, and 84 x 1 mg per tablet).  
Monthly carton contains 4 individual weekly cartons  
each with 7 daily wallet blister packs.


  
 NDC 66302-363-94  
 Orenitram® (treprostinil)  
 Extended-Release Tablets  
 The Month 3 Titration Kit includes:  
 252 tablets (126 x 0.125 mg per  
 tablet, 42 x 0.25 mg per tablet, and  
 84 x 1 mg per tablet).  
 Monthly carton contains 4 individual  
 weekly cartons each with 7 daily wallet  
 blister packs.  
 Each 0.125 mg tablet contains  
 treprostinil dihydrate equivalent to  
 0.125 mg of treprostinil. Each  
 0.25 mg tablet contains treprostinil  
 dihydrate equivalent to 0.25 mg of  
 treprostinil. Each 1 mg tablet contains  
 treprostinil dihydrate equivalent to  
 1 mg of treprostinil.  
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Dose and Use: Take with food  
 exactly as prescribed.  
 See accompanying literature for  
 dosing information.  
 Store at 20°C to 25°C (68°F to 77°F)  
 with excursions permitted to 15°C  
 to 30°C (59°F to 86°F) (See USP  
 Controlled Room Temperature).  
 Keep out of reach of children.  
 Mfg. by: United Therapeutics Corp.,  
 RTP, NC USA 27709

252 TABLETS  
 42 x 0.25 mg PER TABLET  
 84 x 1 mg PER TABLET

0.125 mg  
per tablet  
 0.25 mg  
per tablet  
 1 mg  
per tablet

FIND MORE INFORMATION AND RESOURCES  
 AT [WWW.ORENITRAM.COM/KIT](http://WWW.ORENITRAM.COM/KIT)



Rx Only NDC 66302-363-84

## Orenitram® (treprostinil) EXTENDED-RELEASE TABLETS

# Titration Kit

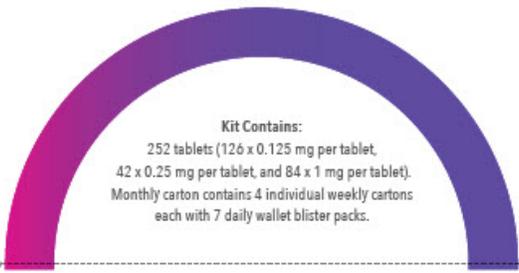
**Month 3**

0.125 mg  
per tablet

0.25 mg  
per tablet

1 mg  
per tablet

Swallow whole.  
Do not split, chew, crush, or break tablets.



**Kit Contains:**  
 252 tablets (126 x 0.125 mg per tablet,  
 42 x 0.25 mg per tablet, and 84 x 1 mg per tablet).  
 Monthly carton contains 4 individual weekly cartons  
 each with 7 daily wallet blister packs.

Your third month of Orenitram®

Within this kit, you'll find your third month's worth of tablets, separated by week and day.

**Orenitram<sup>®</sup>**  
(treprostinil)  
EXTENDED-RELEASE TABLETS

0.125 mg per tablet    0.25 mg per tablet

1 mg per tablet

**Week 9**

UT 0.05    UT 1

Per dose

**Week 10**

UT 0.05    UT 0.05

Per dose

**Week 11**

UT 0.05    UT 0.25

Per dose

**Week 12**

UT 0.05    UT 0.05

Per dose

### Weekly

Each **Weekly Box** contains 7 identical Daily Packs. It's important to work through Weekly Boxes in order; the dose will increase each week to get you to the amount of medicine that meets your needs.

### Daily

Each **Daily Pack** includes the tablets you should take over the course of a single day. Be sure to follow the instructions from your healthcare provider and on the package.

## Continued treatment with Orenitram<sup>®</sup>

This is your kit for Month 3, which includes your Orenitram tablets for the final weeks of your Titration Kit. As before, the doses will increase each week. Work through your Weekly Boxes in order, starting with Week 9 and finishing with Week 12.

If you have any questions about your therapy, reach out to your healthcare provider.

Month 3

**Orenitram<sup>®</sup>**  
(treprostinil)  
EXTENDED-RELEASE TABLETS

0.125 mg per tablet    0.25 mg per tablet

1 mg per tablet

**Orenitram<sup>®</sup>**  
(treprostinil)  
EXTENDED-RELEASE TABLETS

0.125 mg per tablet    0.25 mg per tablet

1 mg per tablet

## Titration Kit

Month 3

# ORENITRAM

treprostinil tablet, extended release

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:66302-300
<b>Route of Administration</b>	ORAL		

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.125 mg

## Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
BUTYL ALCOHOL (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	

## Product Characteristics

<b>Color</b>	WHITE	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;0;125
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66302-300-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
2	NDC:66302-300-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
3	NDC:66302-300-02	1 in 1 CARTON	06/30/2021	

3	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
Marketing Information			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	12/20/2013	

## ORENITRAM

treprostinil tablet, extended release

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:66302-302
Route of Administration	ORAL		

Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)		treprostinil	0.25 mg

Inactive Ingredients	
Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
FD&C Blue No. 2 (UNII: L06K8R7DQK)	
Ferric Oxide Yellow (UNII: EX438O2MRT)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
BUTYL ALCOHOL (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	

Product Characteristics			
Color	GREEN	Score	no score

<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;0;25
<b>Contains</b>			

<b>Packaging</b>				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66302-302-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
2	NDC:66302-302-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
3	NDC:66302-302-02	1 in 1 CARTON	06/30/2021	
3		10 in 1 BLISTER PACK; Type 0: Not a Combination Product		

<b>Marketing Information</b>			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	12/20/2013	

## ORENITRAM

treprostinil tablet, extended release

<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:66302-310
<b>Route of Administration</b>	ORAL		

<b>Active Ingredient/Active Moiety</b>		
Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	1 mg

<b>Inactive Ingredients</b>	
Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	

<b>Talc</b> (UNII: 7SEV7J4R1U)	
<b>Ferric Oxide Yellow</b> (UNII: EX438O2MRT)	
<b>Ferric Oxide Red</b> (UNII: 1K09F3G675)	
<b>Shellac</b> (UNII: 46N107B71O)	
<b>Ferrosoferric Oxide</b> (UNII: XM0M87F357)	
<b>BUTYL ALCOHOL</b> (UNII: 8PJ61P6TS3)	
<b>Alcohol</b> (UNII: 3K9958V90M)	
<b>Isopropyl Alcohol</b> (UNII: ND2M416302)	
<b>Propylene Glycol</b> (UNII: 6DC9Q167V3)	

### Product Characteristics

<b>Color</b>	YELLOW	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;1
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66302-310-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
2	NDC:66302-310-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
3	NDC:66302-310-02	1 in 1 CARTON	06/30/2021	
3		10 in 1 BLISTER PACK; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	12/20/2013	

## ORENITRAM

treprostinil tablet, extended release

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:66302-325
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>treprostinil</b> (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	2.5 mg

## Inactive Ingredients

Ingredient Name	Strength
<b>Xylitol</b> (UNII: VCQ006KQ1E)	
<b>Maltodextrin</b> (UNII: 7CVR7L4A2D)	
<b>Sodium Lauryl Sulfate</b> (UNII: 368GB5141J)	
<b>Magnesium Stearate</b> (UNII: 70097M6I30)	
<b>Cellulose Acetate</b> (UNII: 3J2P07GVB6)	
<b>Triethyl Citrate</b> (UNII: 8Z96QXD6UM)	
<b>Polyvinyl alcohol, unspecified</b> (UNII: 532B59J990)	
<b>Titanium Dioxide</b> (UNII: 15FIX9V2JP)	
<b>Polyethylene Glycol 3350</b> (UNII: G2M7P15E5P)	
<b>Talc</b> (UNII: 7SEV7J4R1U)	
<b>Ferric Oxide Red</b> (UNII: 1K09F3G675)	
<b>Shellac</b> (UNII: 46N107B71O)	
<b>Ferrosoferric Oxide</b> (UNII: XM0M87F357)	
<b>BUTYL ALCOHOL</b> (UNII: 8PJ61P6TS3)	
<b>Alcohol</b> (UNII: 3K9958V90M)	
<b>Isopropyl Alcohol</b> (UNII: ND2M416302)	
<b>Propylene Glycol</b> (UNII: 6DC9Q167V3)	

## Product Characteristics

<b>Color</b>	PINK	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;2;5
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66302-325-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
2	NDC:66302-325-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
3	NDC:66302-325-02	1 in 1 CARTON	06/30/2021	
3		10 in 1 BLISTER PACK; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	12/20/2013	

**ORENITRAM**

treprostinil tablet, extended release

## Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:66302-350
<b>Route of Administration</b>	ORAL		

## Active Ingredient/Active Moiety

<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	5 mg

## Inactive Ingredients

<b>Ingredient Name</b>	<b>Strength</b>
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
Ferric Oxide Red (UNII: 1K09F3G675)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
BUTYL ALCOHOL (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	

## Product Characteristics

<b>Color</b>	RED	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;5
<b>Contains</b>			

## Packaging

<b>#</b>	<b>Item Code</b>	<b>Package Description</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
1	NDC:66302-350-01	100 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
2	NDC:66302-350-10	10 in 1 BOTTLE; Type 0: Not a Combination Product	12/20/2013	
3	NDC:66302-350-02	1 in 1 CARTON	06/30/2021	

3	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
<b>Marketing Information</b>			
<b>Marketing Category</b>	<b>Application Number or Monograph Citation</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
NDA	NDA203496	12/20/2013	

## ORENITRAM

treprostinil kit

<b>Product Information</b>			
<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:66302-361

<b>Packaging</b>				
<b>#</b>	<b>Item Code</b>	<b>Package Description</b>	<b>Marketing Start Date</b>	<b>Marketing End Date</b>
1	NDC:66302-361-28	1 in 1 PACKAGE	02/14/2023	

<b>Quantity of Parts</b>		
<b>Part #</b>	<b>Package Quantity</b>	<b>Total Product Quantity</b>
<b>Part 1</b>	1 BLISTER PACK	126
<b>Part 2</b>	1 BLISTER PACK	42

## Part 1 of 2

### ORENITRAM

treprostinil tablet, extended release

<b>Product Information</b>	
<b>Item Code (Source)</b>	NDC:66302-300
<b>Route of Administration</b>	ORAL

<b>Active Ingredient/Active Moiety</b>		
<b>Ingredient Name</b>	<b>Basis of Strength</b>	<b>Strength</b>
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.125 mg

### Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
Butyl Alcohol (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	

### Product Characteristics

Color	WHITE	Score	no score
Shape	ROUND (Biconvex)	Size	8mm
Flavor		Imprint Code	UT;0;125
Contains			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		126 in 1 BLISTER PACK; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

## Part 2 of 2

### ORENITRAM

treprostinil tablet, extended release

### Product Information

Item Code (Source)	NDC:66302-302
Route of Administration	ORAL

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.25 mg

## Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
Butyl Alcohol (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	
Ferric Oxide Yellow (UNII: EX438O2MRT)	
FD&C BLUE NO. 2 (UNII: L06K8R7DQK)	

## Product Characteristics

Color	GREEN	Score	no score
Shape	ROUND (Biconvex)	Size	8mm
Flavor		Imprint Code	UT;0;25
Contains			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		42 in 1 BLISTER PACK; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

## ORENITRAM

treprostinil kit

### Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:66302-362
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### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66302-362-56	1 in 1 PACKAGE	02/14/2023	

### Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	1 BLISTER PACK	126
Part 2	1 BLISTER PACK	210

## Part 1 of 2

## ORENITRAM

treprostinil tablet, extended release

### Product Information

Item Code (Source)	NDC:66302-300
Route of Administration	ORAL

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.125 mg

### Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	

<b>Magnesium Stearate</b> (UNII: 70097M6I30)
<b>Cellulose Acetate</b> (UNII: 3J2P07GVB6)
<b>Triethyl Citrate</b> (UNII: 8Z96QXD6UM)
<b>Polyvinyl alcohol, unspecified</b> (UNII: 532B59J990)
<b>Titanium Dioxide</b> (UNII: 15FIX9V2JP)
<b>Polyethylene Glycol 3350</b> (UNII: G2M7P15E5P)
<b>Talc</b> (UNII: 7SEV7J4R1U)
<b>Shellac</b> (UNII: 46N107B71O)
<b>Ferrosoferric Oxide</b> (UNII: XM0M87F357)
<b>Butyl Alcohol</b> (UNII: 8PJ61P6TS3)
<b>Alcohol</b> (UNII: 3K9958V90M)
<b>Isopropyl Alcohol</b> (UNII: ND2M416302)
<b>Propylene Glycol</b> (UNII: 6DC9Q167V3)

### Product Characteristics

<b>Color</b>	WHITE	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;0;125
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		126 in 1 BLISTER PACK; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

## Part 2 of 2

### ORENITRAM

treprostinil tablet, extended release

### Product Information

<b>Item Code (Source)</b>	NDC:66302-302
<b>Route of Administration</b>	ORAL

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.25 mg

### Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
Butyl Alcohol (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	
Ferric Oxide Yellow (UNII: EX438O2MRT)	
FD&C BLUE NO. 2 (UNII: L06K8R7DQK)	

### Product Characteristics

Color	GREEN	Score	no score
Shape	ROUND (Biconvex)	Size	8mm
Flavor		Imprint Code	UT;0;25
Contains			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		210 in 1 BLISTER PACK; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date

NDA	NDA203496	02/14/2023	
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## ORENITRAM

treprostinil kit

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:66302-363
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### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:66302-363-84	1 in 1 PACKAGE	02/14/2023	

### Quantity of Parts

Part #	Package Quantity	Total Product Quantity
Part 1	1 BLISTER PACK	126
Part 2	1 BLISTER PACK	42
Part 3	1 BLISTER PACK	84

## Part 1 of 3

## ORENITRAM

treprostinil tablet, extended release

### Product Information

<b>Item Code (Source)</b>	NDC:66302-300
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<b>Route of Administration</b>	ORAL
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### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.125 mg

### Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	

<b>Polyvinyl alcohol, unspecified</b> (UNII: 532B59J990)	
<b>Titanium Dioxide</b> (UNII: 15FIX9V2JP)	
<b>Polyethylene Glycol 3350</b> (UNII: G2M7P15E5P)	
<b>Talc</b> (UNII: 7SEV7J4R1U)	
<b>Shellac</b> (UNII: 46N107B71O)	
<b>Ferrosoferric Oxide</b> (UNII: XMOM87F357)	
<b>Butyl Alcohol</b> (UNII: 8PJ61P6TS3)	
<b>Alcohol</b> (UNII: 3K9958V90M)	
<b>Isopropyl Alcohol</b> (UNII: ND2M416302)	
<b>Propylene Glycol</b> (UNII: 6DC9Q167V3)	

### Product Characteristics

<b>Color</b>	WHITE	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;0;125
<b>Contains</b>			

### Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		126 in 1 BLISTER PACK; Type 0: Not a Combination Product		

### Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

## Part 2 of 3

### ORENITRAM

treprostinil tablet, extended release

### Product Information

<b>Item Code (Source)</b>	NDC:66302-302
<b>Route of Administration</b>	ORAL

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>treprostinil</b> (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	0.25 mg

## Inactive Ingredients

Ingredient Name	Strength
<b>Xylitol</b> (UNII: VCQ006KQ1E)	
<b>Maltodextrin</b> (UNII: 7CVR7L4A2D)	
<b>Sodium Lauryl Sulfate</b> (UNII: 368GB5141J)	
<b>Magnesium Stearate</b> (UNII: 70097M6I30)	
<b>Cellulose Acetate</b> (UNII: 3J2P07GVB6)	
<b>Triethyl Citrate</b> (UNII: 8Z96QXD6UM)	
<b>Polyvinyl alcohol, unspecified</b> (UNII: 532B59J990)	
<b>Titanium Dioxide</b> (UNII: 15FIX9V2JP)	
<b>Polyethylene Glycol 3350</b> (UNII: G2M7P15E5P)	
<b>Talc</b> (UNII: 7SEV7J4R1U)	
<b>Shellac</b> (UNII: 46N107B71O)	
<b>Ferrosoferric Oxide</b> (UNII: XM0M87F357)	
<b>Butyl Alcohol</b> (UNII: 8PJ61P6TS3)	
<b>Alcohol</b> (UNII: 3K9958V90M)	
<b>Isopropyl Alcohol</b> (UNII: ND2M416302)	
<b>Propylene Glycol</b> (UNII: 6DC9Q167V3)	
<b>Ferric Oxide Yellow</b> (UNII: EX438O2MRT)	
<b>FD&amp;C BLUE NO. 2</b> (UNII: L06K8R7DQK)	

## Product Characteristics

<b>Color</b>	GREEN	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;0;25
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		42 in 1 BLISTER PACK; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

## Part 3 of 3

### ORENITRAM

treprostinil tablet, extended release

## Product Information

**Item Code (Source)** NDC:66302-310

**Route of Administration** ORAL

## Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
treprostinil (UNII: RUM6K67ESG) (treprostinil - UNII:RUM6K67ESG)	treprostinil	1 mg

## Inactive Ingredients

Ingredient Name	Strength
Xylitol (UNII: VCQ006KQ1E)	
Maltodextrin (UNII: 7CVR7L4A2D)	
Sodium Lauryl Sulfate (UNII: 368GB5141J)	
Magnesium Stearate (UNII: 70097M6I30)	
Cellulose Acetate (UNII: 3J2P07GVB6)	
Triethyl Citrate (UNII: 8Z96QXD6UM)	
Polyvinyl alcohol, unspecified (UNII: 532B59J990)	
Titanium Dioxide (UNII: 15FIX9V2JP)	
Polyethylene Glycol 3350 (UNII: G2M7P15E5P)	
Talc (UNII: 7SEV7J4R1U)	
Shellac (UNII: 46N107B71O)	
Ferrosoferric Oxide (UNII: XM0M87F357)	
Butyl Alcohol (UNII: 8PJ61P6TS3)	
Alcohol (UNII: 3K9958V90M)	
Isopropyl Alcohol (UNII: ND2M416302)	
Propylene Glycol (UNII: 6DC9Q167V3)	
Ferric Oxide Yellow (UNII: EX438O2MRT)	
Ferric Oxide Red (UNII: 1K09F3G675)	

## Product Characteristics

<b>Color</b>	YELLOW	<b>Score</b>	no score
<b>Shape</b>	ROUND (Biconvex)	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	UT;1
<b>Contains</b>			

## Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1		84 in 1 BLISTER PACK; Type 0: Not a Combination Product		

## Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	
<b>Marketing Information</b>			
Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA203496	02/14/2023	

**Labeler** - United Therapeutics Corporation (965460025)

### Establishment

Name	Address	ID/FEI	Business Operations
United Therapeutics Corporation		015718364	MANUFACTURE(66302-300, 66302-302, 66302-310, 66302-325, 66302-350, 66302-361, 66302-362, 66302-363) , ANALYSIS(66302-300, 66302-302, 66302-310, 66302-325, 66302-350, 66302-361, 66302-362, 66302-363) , LABEL(66302-300, 66302-302, 66302-310, 66302-325, 66302-350, 66302-361, 66302-362, 66302-363) , PACK(66302-300, 66302-302, 66302-310, 66302-325, 66302-350, 66302-361, 66302-362, 66302-363)

Revised: 11/2023

United Therapeutics Corporation