

**OLMESARTAN MEDOXOMIL, AMLODIPINE AND HYDROCHLOROTHIAZIDE -  
olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet, film  
coated  
Camber Pharmaceuticals, Inc.**

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**HIGHLIGHTS OF PRESCRIBING INFORMATION**

These highlights do not include all the information needed to use OLMESARTAN MEDOXOMIL, AMLODIPINE and HYDROCHLOROTHIAZIDE TABLETS safely and effectively. See full prescribing information for OLMESARTAN MEDOXOMIL, AMLODIPINE and HYDROCHLOROTHIAZIDE TABLETS.

OLMESARTAN MEDOXOMIL, AMLODIPINE and HYDROCHLOROTHIAZIDE tablets, for oral use  
Initial U.S. Approval: 2010

**WARNING: FETAL TOXICITY**

*See full prescribing information for complete boxed warning.*

- When pregnancy is detected, discontinue olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets as soon as possible ( 5.1, 8.1).
- Drugs that act directly on the renin-angiotensin system can cause injury and death to the developing fetus ( 5.1, 8.1).

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**INDICATIONS AND USAGE**  
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Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is a combination of olmesartan medoxomil, an angiotensin II receptor blocker, amlodipine, a dihydropyridine calcium channel blocker, and hydrochlorothiazide, a thiazide diuretic, indicated for the treatment of hypertension, to lower blood pressure. Lowering blood pressure reduces the risk of fatal and nonfatal cardiovascular events, primarily strokes and myocardial infarctions. ( 1).

Limitations of Use

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is not indicated for initial therapy ( 1).

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**DOSAGE AND ADMINISTRATION**  
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- Dose once daily. Dosage may be increased after 2 weeks to a maximum dose of 40 /10 /25 mg once daily ( 2).
- Dose selection should be individualized based on previous therapy ( 2).

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**DOSAGE FORMS AND STRENGTHS**  
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Tablets: (olmesartan medoxomil/amlodipine/hydrochlorothiazide)

20 /5 /12.5 mg, 40 /5 /12.5 mg, 40 /5 /25 mg, 40 /10 /12.5 mg, 40 /10 /25 mg ( 3)

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**CONTRAINDICATIONS**  
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- Anuria: Hypersensitivity to sulfonamide-derived drugs ( 4).
- Do not co-administer aliskiren with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet in patients with diabetes ( 4).

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**WARNINGS AND PRECAUTIONS**  
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- Hypotension: Correct volume or salt depletion prior to administration. ( 5.2).
- Monitor renal function and potassium in susceptible patients
- Increased angina or myocardial infarction with calcium channel blockers may occur upon dosage initiation or increase ( 5.3).
- Observe for signs of fluid or electrolyte imbalance ( 5.6).
- Exacerbation or activation of systemic lupus erythematosus ( 5.8).
- Acute angle-closure glaucoma ( 5.9).
- Sprue-like enteropathy has been reported. Consider discontinuation of olmesartan medoxomil, amlodipine and hydrochlorothiazide in cases where no other etiology is found ( 5.10).

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**ADVERSE REACTIONS**  
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Most common adverse reactions (incidence  $\geq 2\%$ ) are dizziness, peripheral edema, headache, fatigue, nasopharyngitis, muscle spasms, nausea, upper respiratory tract infection, diarrhea, urinary tract infection, and joint swelling ( 6.1).

**To report SUSPECTED ADVERSE REACTIONS, contact Hetero Labs Limited at 1-866-495-1995 or FDA at 1-800-FDA-1088 or [www.fda.gov/medwatch](http://www.fda.gov/medwatch).**

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**DRUG INTERACTIONS**  
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Olmesartan medoxomil ( 7.1):

- Nonsteroidal anti-inflammatory drugs (NSAIDs): May lead to increased risk of renal impairment and loss of antihypertensive effect.
- Dual inhibition of the renin-angiotensin system: Increased risk of renal impairment, hypotension, and hyperkalemia.
- Colesevelam hydrochloride: Consider administering olmesartan at least 4 hours before colesevelam hydrochloride dose.
- Lithium: Increases in serum lithium concentrations and lithium toxicity.

Amlodipine ( 7.2):

- Limit simvastatin to 20 mg daily when coadministered.
- Increased exposure to cyclosporin and tacrolimus.
- Increased amlodipine exposure when coadministered with CYP3A inhibitors

Hydrochlorothiazide ( 7.3):

- Antidiabetic drugs: Dosage adjustment of antidiabetic may be required.
- Cholestyramine and colestipol: Reduced absorption of thiazides.
- NSAIDs: Can reduce the diuretic, natriuretic, and antihypertensive effects of diuretics.

----- **USE IN SPECIFIC POPULATIONS** -----

- Lactation: Breastfeeding is not recommended ( 8.2).
- Renal Impairment: Avoid use in patients with creatinine clearance  $\leq 30$  mL/min ( 8.7).

**See 17 for PATIENT COUNSELING INFORMATION.**

**Revised: 11/2025**

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## FULL PRESCRIBING INFORMATION

### WARNING: FETAL TOXICITY

- **When pregnancy is detected, discontinue olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets as soon as possible. ( 5.1, 8.1)**
- **Drugs that act directly on the renin-angiotensin system (RAS) can cause injury and death to the developing fetus. ( 5.1, 8.1)**

## 1 INDICATIONS AND USAGE

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is indicated for the treatment of hypertension, alone or with other antihypertensive agents, to lower blood pressure. Lowering blood pressure reduces the risk of fatal and nonfatal cardiovascular (CV) events, primarily strokes and myocardial infarctions. These benefits have been seen in controlled trials of antihypertensive drugs from a wide variety of pharmacologic classes including the class to which this drug principally belongs. There are no controlled trials demonstrating risk reduction with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet.

Control of high blood pressure should be part of comprehensive cardiovascular risk management, including, as appropriate, lipid control, diabetes management, antithrombotic therapy, smoking cessation, exercise, and limited sodium intake. Many patients will require more than one drug to achieve blood pressure goals. For specific advice on goals and management, see published guidelines, such as those of the National High Blood Pressure Education Program's Joint National Committee on Prevention, Detection, Evaluation, and Treatment of High Blood Pressure (JNC).

Numerous antihypertensive drugs, from a variety of pharmacologic classes and with different mechanisms of action, have been shown in randomized controlled trials to reduce cardiovascular morbidity and mortality, and it can be concluded that it is blood pressure reduction, and not some other pharmacologic property of the drugs, that is largely responsible for those benefits. The largest and most consistent cardiovascular outcome benefit has been a reduction in the risk of stroke, but reductions in myocardial infarction and cardiovascular mortality also have been seen regularly.

Elevated systolic or diastolic pressure causes increased cardiovascular risk, and the absolute risk increase per mmHg is greater at higher blood pressures, so that even modest reductions of severe hypertension can provide substantial benefit. Relative risk reduction from blood pressure reduction is similar across populations with varying absolute risk, so the absolute benefit is greater in patients who are at higher risk independent of their hypertension (for example, patients with diabetes or hyperlipidemia), and such patients would be expected to benefit from more aggressive treatment to a lower blood pressure goal.

Some antihypertensive drugs have smaller blood pressure effects (as monotherapy) in black patients, and many antihypertensive drugs have additional approved indications and effects (e.g., on angina, heart failure, or diabetic kidney disease). These considerations may guide selection of therapy.

### Limitations of Use

This fixed combination drug is not indicated for the initial therapy of hypertension.

## 2 DOSAGE AND ADMINISTRATION

Dose once daily. Dosage may be increased in 2-week intervals, as needed. The maximum recommended dose of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is 40/10/25 mg.

Dose selection should be individualized based on previous therapy.

## 3 DOSAGE FORMS AND STRENGTHS

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets are available in the following strength combinations:

	20/5/12.5	40/5/12.5	40/5/25	40/10/12.5	40/10/25
Olmesartan medoxomil (mg)	20	40	40	40	40
Amlodipine equivalent (mg)	5	5	5	10	10
Hydrochlorothiazide (mg)	12.5	12.5	25	12.5	25

## 4 CONTRAINDICATIONS

Because of the hydrochlorothiazide component, olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is contraindicated in patients with anuria, hypersensitivity to any component, or hypersensitivity to other sulfonamide-derived drugs.

Do not co-administer aliskiren with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet in patients with diabetes [ *See Drug Interactions (7.2)*].

## 5 WARNINGS AND PRECAUTIONS

### 5.1 Fetal Toxicity

*Olmesartan medoxomil.* Olmesartan medoxomil, amlodipine, hydrochlorothiazide can cause fetal harm when administered to a pregnant woman. Use of drugs that act on the renin-angiotensin system during the second and third trimesters of pregnancy reduces fetal renal function and increases fetal and neonatal morbidity and death. Resulting oligohydramnios can be associated with fetal lung hypoplasia and skeletal deformations. Potential neonatal adverse effects include skull hypoplasia, anuria, hypotension, renal failure, and death. When pregnancy is detected, discontinue olmesartan medoxomil, amlodipine and hydrochlorothiazide as soon as possible [see *Use in specific Populations ( 8.1)*].

*Hydrochlorothiazide.* Thiazides cross the placental barrier and appear in cord blood. Adverse reactions include fetal or neonatal jaundice and thrombocytopenia [see *Use in Specific Populations ( 8.1)*].

### 5.2 Hypotension in Volume- or Salt-Depleted Patients

*Olmesartan medoxomil.* In patients with an activated renin-angiotensin system, such as volume- and/or salt-depleted patients (e.g., those being treated with high doses of diuretics) symptomatic hypotension may be anticipated after initiation of treatment with

olmesartan medoxomil. Initiate treatment with olmesartan medoxomil, amlodipine, hydrochlorothiazide under close medical supervision. If hypotension does occur, place the patient in the supine position and, if necessary, give an intravenous infusion of normal saline. A transient hypotensive response is not a contraindication to further treatment, which usually can be continued without difficulty once the blood pressure has stabilized.

*Amlodipine.* Symptomatic hypotension is possible, particularly in patients with severe aortic stenosis. Because of the gradual onset of action, acute hypotension is unlikely.

### **5.3 Increased Angina and/or Myocardial Infarction**

*Amlodipine.* Patients, particularly those with severe obstructive coronary artery disease, may develop increased frequency, duration, or severity of angina or acute myocardial infarction upon starting calcium channel blocker therapy or at the time of dosage increase. The mechanism of this effect has not been elucidated.

### **5.4 Impaired Renal Function**

*Olmesartan medoxomil, amlodipine, hydrochlorothiazide.* Impaired renal function was reported in 2.1% of subjects receiving olmesartan medoxomil, amlodipine and hydrochlorothiazide compared to 0.2% to 1.3% of subjects receiving dual combination therapy of olmesartan medoxomil and amlodipine, olmesartan medoxomil and hydrochlorothiazide or amlodipine and hydrochlorothiazide.

If progressive renal impairment becomes evident consider withholding or discontinuing olmesartan medoxomil, amlodipine and hydrochlorothiazide.

*Olmesartan medoxomil.* Changes in renal function occur in some individuals treated with olmesartan medoxomil as a consequence of inhibiting the renin-angiotensin-aldosterone system. In patients whose renal function may depend upon the activity of the renin-angiotensin-aldosterone system (e.g., patients with severe congestive heart failure), treatment with ACE inhibitors and angiotensin receptor antagonists has been associated with oliguria or progressive azotemia and (rarely) with acute renal failure and/or death. Similar effects may occur in patients treated with olmesartan medoxomil, amlodipine and hydrochlorothiazide due to the olmesartan medoxomil component [ see *Drug Interactions (7.2)* and *Clinical Pharmacology (12.3)*].

In studies of ACE inhibitors in patients with unilateral or bilateral renal artery stenosis, increases in serum creatinine or blood urea nitrogen (BUN) have been reported. There has been no long-term use of olmesartan medoxomil in patients with unilateral or bilateral renal artery stenosis, but similar effects would be expected with olmesartan medoxomil, amlodipine and hydrochlorothiazide because of the olmesartan medoxomil component.

*Hydrochlorothiazide.* Thiazides may precipitate azotemia in patients with renal disease. Cumulative effects of the drug may develop in patients with impaired renal function.

### **5.5 Patients with Hepatic Impairment**

*Amlodipine.* Since amlodipine is extensively metabolized by the liver and the plasma elimination half-life ( $t_{1/2}$ ) is 56 hours in patients with severely impaired hepatic function, titrate slowly when administering to patients with severe hepatic impairment.

### **5.6 Electrolyte and Metabolic Imbalances**

Olmesartan medoxomil, amlodipine and hydrochlorothiazide contains hydrochlorothiazide which can cause hypokalemia, hyponatremia and hypomagnesemia. Hypomagnesemia can result in hypokalemia which may be difficult to treat despite potassium repletion. Olmesartan medoxomil, amlodipine and hydrochlorothiazide also contains olmesartan, a drug that affects the RAS. Drugs that inhibit the RAS can also cause hyperkalemia.

Hydrochlorothiazide may alter glucose tolerance and raise serum levels of cholesterol and triglycerides.

Hyperuricemia may occur or frank gout may be precipitated in patients receiving thiazide therapy.

Hydrochlorothiazide decreases urinary calcium excretion and may cause elevations of serum calcium. Monitor calcium levels.

### **5.7 Postsympathectomy Patients**

The antihypertensive effects of the drug may be enhanced in the post-sympathectomy patient.

### **5.8 Systemic Lupus Erythematosus**

*Hydrochlorothiazide.*Thiazide diuretics have been reported to cause exacerbation or activation of systemic lupus erythematosus.

### **5.9 Acute Myopia and Secondary Angle-Closure Glaucoma**

Hydrochlorothiazide, a sulfonamide, can cause an idiosyncratic reaction, resulting in acute transient myopia and acute angle-closure glaucoma. Symptoms include acute onset of decreased visual acuity or ocular pain and typically occur within hours to weeks of drug initiation. Untreated acute angle-closure glaucoma can lead to permanent vision loss. The primary treatment is to discontinue hydrochlorothiazide as rapidly as possible. Prompt medical or surgical treatments may need to be considered if the intraocular pressure remains uncontrolled. Risk factors for developing acute angle-closure glaucoma may include a history of sulfonamide or penicillin allergy.

### **5.10 Sprue-like Enteropathy**

*Olmesartan medoxomil.*Severe, chronic diarrhea with substantial weight loss has been reported in patients taking olmesartan months to years after drug initiation. Intestinal biopsies of patients often demonstrated villous atrophy. If a patient develops these symptoms during treatment with olmesartan, exclude other etiologies. Consider discontinuation of olmesartan medoxomil, amlodipine and hydrochlorothiazide in cases where no other etiology is identified.

## **6 ADVERSE REACTIONS**

### **6.1 Clinical Trials Experience**

Because clinical studies are conducted under widely varying conditions, adverse reaction rates observed in the clinical studies of a drug cannot be directly compared to rates in the clinical studies of another drug and may not reflect the rates observed in practice.

*Olmesartan medoxomil, amlodipine and hydrochlorothiazide*

In the controlled trial of olmesartan medoxomil, amlodipine and hydrochlorothiazide, patients were randomized to olmesartan medoxomil, amlodipine and hydrochlorothiazide 40/10/25 mg, olmesartan medoxomil/amlodipine 40/10 mg, olmesartan medoxomil/hydrochlorothiazide 40/25 mg, or amlodipine/hydrochlorothiazide 10/25 mg. Subjects who received triple combination therapy were treated between two and four weeks with one of the three dual combination therapies. Safety data from this study were obtained in 574 patients with hypertension who received olmesartan medoxomil, amlodipine and hydrochlorothiazide for 8 weeks.

The frequency of adverse reactions was similar between men and women, patients <65 years of age and patients ≥65 years of age, patients with and without diabetes, and Black and non-Black patients. Discontinuations because of adverse events occurred in 4% of patients treated with olmesartan medoxomil, amlodipine and hydrochlorothiazide 40/10/25 mg compared to 1% of patients treated with olmesartan medoxomil/amlodipine 40/10 mg, 2% of patients treated with olmesartan medoxomil/hydrochlorothiazide 40/25

mg, and 2% of patients treated with amlodipine/hydrochlorothiazide 10/25 mg. The most common reason for discontinuation with olmesartan medoxomil, amlodipine and hydrochlorothiazide was dizziness (1%).

Dizziness was one of the most frequently reported adverse reactions with incidence of 1.4% to 3.6% in subjects continuing on dual combination therapy compared to 5.8% to 8.9% in subjects who switched to olmesartan medoxomil, amlodipine and hydrochlorothiazide.

The other most frequent adverse reactions that occurred in at least 2% of subjects are presented in the table below:

**Table 1**

Adverse Reaction	OM40/ AML10/ HCTZ25 mg (N = 574) n (%)	OM40/ AML10 mg (N = 596) n (%)	OM40/ HCTZ25mg (N = 580) n (%)	AML10/ HCTZ25 mg (N = 552) n (%)
Edema peripheral	44 (7.7)	42 (7.0)	6 (1.0)	46 (8.3)
Headache	37 (6.4)	42 (7.0)	38 (6.6)	33 (6.0)
Fatigue	24 (4.2)	34 (5.7)	31 (5.3)	36 (6.5)
Nasopharyngitis	20 (3.5)	11 (1.8)	20 (3.4)	16 (2.9)
Muscle spasms	18 (3.1)	12 (2.0)	14 (2.4)	13 (2.4)
Nausea	17 (3.0)	12 (2.0)	22 (3.8)	12 (2.2)
Upper respiratory tract infection	16 (2.8)	26 (4.4)	18 (3.1)	14 (2.5)
Diarrhea	15 (2.6)	14 (2.3)	12 (2.1)	9 (1.6)
Urinary tract infection	14 (2.4)	8 (1.3)	6 (1.0)	7 (1.3)
Joint swelling	12 (2.1)	17 (2.9)	2 (0.3)	16 (2.9)

Syncope was reported by 1% of olmesartan medoxomil, amlodipine and hydrochlorothiazide subjects compared to 0.5% or less for the other treatment groups.

#### *Olmesartan medoxomil*

Olmesartan medoxomil has been evaluated for safety in more than 3825 patients/subjects, including more than 3275 patients treated for hypertension in controlled trials. This experience included about 900 patients treated for at least 6 months and more than 525 treated for at least 1 year. Treatment with olmesartan medoxomil was well tolerated, with an incidence of adverse reactions similar to that seen with placebo. Adverse reactions were generally mild, transient, and without relationship to the dose of olmesartan medoxomil.

#### *Amlodipine*

Amlodipine has been evaluated for safety in more than 11,000 patients in U.S. and foreign clinical trials.

## **6.2 Post-Marketing Experience**

The following adverse reactions have been identified during post-approval use of the individual components of olmesartan medoxomil, amlodipine and hydrochlorothiazide. 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.

*Olmesartan medoxomil.* The following adverse reactions have been reported in post-marketing experience:

*Body as a Whole:* asthenia, angioedema, anaphylactic reactions, peripheral edema

*Gastrointestinal:* vomiting, diarrhea, sprue-like enteropathy [ see Warnings and

*Precautions (5.10)]*

*Metabolic and Nutritional Disorders:* hyperkalemia

*Musculoskeletal:* rhabdomyolysis

*Urogenital System:* acute renal failure, increased blood creatinine

*Skin and Appendages:* alopecia, pruritus, urticaria

Data from one controlled trial and an epidemiologic study have suggested that high-dose olmesartan may increase cardiovascular (CV) risk in diabetic patients, but the overall data are not conclusive. The randomized, placebo-controlled, double-blind ROADMAP trial (Randomized Olmesartan And Diabetes MicroAlbuminuria Prevention trial, n=4447) examined the use of olmesartan, 40 mg daily, vs. placebo in patients with type 2 diabetes mellitus, normoalbuminuria, and at least one additional risk factor for CV disease. The trial met its primary endpoint, delayed onset of microalbuminuria, but olmesartan had no beneficial effect on decline in glomerular filtration rate (GFR). There was a finding of increased CV mortality (adjudicated sudden cardiac death, fatal myocardial infarction, fatal stroke, revascularization death) in the olmesartan group compared to the placebo group (15 olmesartan vs. 3 placebo, HR 4.9, 95% confidence interval [CI], 1.4, 17), but the risk of non-fatal myocardial infarction was lower with olmesartan (HR 0.64, 95% CI 0.35, 1.18).

The epidemiologic study included patients 65 years and older with overall exposure of > 300,000 patient-years. In the sub-group of diabetic patients receiving high-dose olmesartan (40 mg/d) for > 6 months, there appeared to be an increased risk of death (HR 2.0, 95% CI 1.1, 3.8) compared to similar patients taking other angiotensin receptor blockers. In contrast, high-dose olmesartan use in non-diabetic patients appeared to be associated with a decreased risk of death (HR 0.46, 95% CI 0.24, 0.86) compared to similar patients taking other angiotensin receptor blockers. No differences were observed between the groups receiving lower doses of olmesartan compared to other angiotensin blockers or those receiving therapy for < 6 months.

Overall, these data raise a concern of a possible increased CV risk associated with the use of high-dose olmesartan in diabetic patients. There are, however, concerns with the credibility of the finding of increased CV risk, notably the observation in the large epidemiologic study for a survival benefit in non-diabetics of a magnitude similar to the adverse finding in diabetics.

*Amlodipine.* The following post-marketing event has been reported infrequently where a causal relationship is uncertain: gynecomastia. In post-marketing experience, jaundice and hepatic enzyme elevations (mostly consistent with cholestasis or hepatitis), in some cases severe enough to require hospitalization, have been reported in association with use of amlodipine. Postmarketing reporting has also revealed a possible association between extrapyramidal disorder and amlodipine.

*Hydrochlorothiazide.*

#### **Non-melanoma Skin Cancer**

Hydrochlorothiazide is associated with an increased risk of non-melanoma skin cancer. In a study conducted in the Sentinel System, increased risk was predominantly for squamous cell carcinoma (SCC) and in white patients taking large cumulative doses. The increased risk for SCC in the overall population was approximately 1 additional case per 16,000 patients per year, and for white patients taking a cumulative dose of  $\geq 50,000$  mg the risk increase was approximately 1 additional SCC case for every 6,700 patients per year.

## **7 DRUG INTERACTIONS**

### **7.1 Drug Interactions with Olmesartan Medoxomil**

*Non-Steroidal Anti-Inflammatory Agents including Selective Cyclooxygenase-2 Inhibitors (COX-2 Inhibitors):* In patients who are elderly, volume-depleted (including those on diuretic therapy), or with compromised renal function, co-administration of NSAIDs, including selective COX-2 inhibitors, with angiotensin II receptor antagonists, including olmesartan medoxomil, may result in deterioration of renal function, including possible acute renal failure. These effects are usually reversible. Monitor renal function periodically in patients receiving olmesartan medoxomil and NSAID therapy.



The antihypertensive effect of angiotensin II receptor antagonists, including olmesartan medoxomil may be attenuated by NSAIDs including selective COX-2 inhibitors.

*Dual Blockade of the Renin-Angiotensin System (RAS):* Dual blockade of the RAS with angiotensin receptor blockers, ACE inhibitors, or aliskiren is associated with increased risks of hypotension, hyperkalemia, and changes in renal function (including acute renal failure) compared to monotherapy. Most patients receiving the combination of two RAS inhibitors do not obtain any additional benefit compared to monotherapy. In general, avoid combined use of RAS inhibitors. Closely monitor blood pressure, renal function and electrolytes in patients on olmesartan medoxomil, amlodipine and hydrochlorothiazide and other agents that affect the RAS.

Do not co-administer aliskiren with olmesartan medoxomil, amlodipine and hydrochlorothiazide in patients with diabetes [ See *Contraindications (4)*]. Avoid use of aliskiren with olmesartan medoxomil, amlodipine and hydrochlorothiazide in patients with renal impairment (GFR <60 mL/min).

*Use with Colesevelam Hydrochloride:* Concurrent administration of bile acid sequestering agent colesevelam hydrochloride reduces the systemic exposure and peak plasma concentration of olmesartan. Administration of olmesartan at least 4 hours prior to colesevelam hydrochloride decreased the drug interaction effect. Consider administering olmesartan at least 4 hours before the colesevelam hydrochloride dose [see *Clinical Pharmacology (12.3)*].

*Lithium:* Increases in serum lithium concentrations and lithium toxicity have been reported with concomitant use of olmesartan or thiazide diuretics. Monitor lithium levels in patients receiving olmesartan medoxomil, amlodipine and hydrochlorothiazide and lithium.

## 7.2 Drug Interactions with Amlodipine

*Simvastatin:* Co-administration of simvastatin with amlodipine increases the systemic exposure of simvastatin. Limit the dose of simvastatin in patients on amlodipine to 20 mg daily. [ see *Clinical Pharmacology (12.3)*].

*Immunosuppressants:* Amlodipine may increase the systemic exposure of cyclosporine or tacrolimus when co-administered. Frequent monitoring of trough blood levels of cyclosporine and tacrolimus is recommended and adjust the dose when appropriate [ see *Clinical Pharmacology (12.3)*].

*CYP3A Inhibitors:* Co-administration of amlodipine with CYP3A inhibitors (moderate and strong) results in increased systemic exposure to amlodipine and may require dose reduction. Monitor for symptoms of hypotension and edema when amlodipine is co-administered with CYP3A inhibitors to determine the need for dose adjustment.

*CYP3A Inducers:* No information is available on the quantitative effects of CYP3A inducers on amlodipine. Blood pressure should be closely monitored when amlodipine is co-administered with CYP3A inducers.

## 7.3 Drug Interactions with Hydrochlorothiazide

When administered concurrently the following drugs may interact with thiazide diuretics:

*Antidiabetic Drugs (oral agents and insulin):* Dosage adjustment of the antidiabetic drug may be required.

*Cholestyramine and Colestipol Resins:* Absorption of hydrochlorothiazide is impaired in the presence of anionic exchange resins. Single dose of either cholestyramine or colestipol resins bind the hydrochlorothiazide and reduce its absorption from the gastrointestinal tract by up to 85% and 43%, respectively.

*Corticosteroids, ACTH:* Intensified electrolyte depletion, particularly hypokalemia.

*Non-steroidal Anti-inflammatory Drugs:* In some patients the administration of a non-steroidal anti-inflammatory agent can reduce the diuretic, natriuretic, and antihypertensive effects of loop, potassium-sparing and thiazide diuretics. Therefore, when hydrochlorothiazide tablets and non-steroidal anti-inflammatory agents are used

concomitantly, the patients should be observed closely to determine if the desired effect of the diuretic is obtained.

## 8 USE IN SPECIFIC POPULATIONS

### 8.1 Pregnancy

#### Risk Summary

Olmesartan medoxomil, amlodipine and hydrochlorothiazide can cause fetal harm when administered to a pregnant woman. Use of drugs that act on the renin-angiotensin system during the second and third trimesters of pregnancy reduces fetal renal function and increases fetal and neonatal morbidity and death [see *Clinical Considerations*]. Most epidemiologic studies examining fetal abnormalities after exposure to antihypertensive use in the first trimester have not distinguished drugs affecting the renin-angiotensin system from other antihypertensive agents.

When pregnancy is detected, discontinue olmesartan medoxomil, amlodipine and hydrochlorothiazide as soon as possible. Consider alternative antihypertensive therapy during pregnancy.

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. All pregnancies have a background risk of birth defect, loss or other adverse outcomes. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

#### Clinical Considerations

##### *Disease-Associated Maternal and/or Embryo/Fetal Risk*

Hypertension in pregnancy increases the maternal risk for pre-eclampsia, gestational diabetes, premature delivery, and delivery complications (e.g., need for cesarean section and post-partum hemorrhage). Hypertension increases the fetal risk for intrauterine growth restriction and intrauterine death. Pregnant women with hypertension should be carefully monitored and managed accordingly.

##### *Fetal/Neonatal Adverse Reactions*

##### *Olmesartan medoxomil*

Oligohydramnios in pregnant women who use drugs affecting the renin-angiotensin system in the second and third trimesters of pregnancy can result in the following: reduced fetal renal function leading to anuria and renal failure, fetal lung hypoplasia, skeletal deformations, including skull hypoplasia, hypotension, and death.

Perform serial ultrasound examinations to assess the intra-amniotic environment. Fetal testing may be appropriate, based on the week of gestation. Patients and physicians should be aware, however, that oligohydramnios may not appear until after the fetus has sustained irreversible injury.

Closely observe infants with histories of *in utero* exposure to olmesartan for hypotension, oliguria, and hyperkalemia. In neonates with a history of *in utero* exposure to olmesartan, if oliguria or hypotension occur, utilize measures to maintain adequate blood pressure and renal perfusion. Exchange transfusions or dialysis may be required as a means of reversing hypotension and supporting renal function [see *Use in Specific Populations* (8.4)].

##### *Hydrochlorothiazide*

Thiazides can cross the placenta, and concentrations reached in the umbilical vein approach those in the maternal plasma. Hydrochlorothiazide, like other diuretics, can cause placental hypoperfusion. It accumulates in the amniotic fluid, with reported concentrations up to 19 times that in umbilical vein plasma. Use of thiazides during pregnancy is associated with a risk of fetal or neonatal jaundice or thrombocytopenia. Since they do not prevent or alter the course of preeclampsia, these drugs should not be used to treat hypertension in pregnant women. The use of HCTZ for other indications (e.g., heart disease) in pregnancy should be avoided.

#### Data

##### *Animal Data*

No reproductive studies have been conducted with the combination of olmesartan

medoxomil, amlodipine and hydrochlorothiazide. However, these studies have been conducted for olmesartan medoxomil, amlodipine and hydrochlorothiazide alone, and olmesartan medoxomil and hydrochlorothiazide together.

#### *Olmesartan medoxomil.*

No teratogenic effects were observed when olmesartan medoxomil was administered to pregnant rats at oral doses up to 1000 mg/kg/day (240 times the maximum recommended human dose [MRHD] on a mg/m<sup>2</sup> basis) or pregnant rabbits at oral doses up to 1 mg/kg/day (half the MRHD on a mg/m<sup>2</sup> basis; higher doses could not be evaluated for effects on fetal development as they were lethal to the does). In rats, significant decreases in pup birth weight and weight gain were observed at doses  $\geq$  1.6 mg/kg/day, and delays in developmental milestones (delayed separation of ear auricular, eruption of lower incisors, appearance of abdominal hair, descent of testes, and separation of eyelids) and dose-dependent increases in the incidence of dilation of the renal pelvis were observed at doses  $\geq$  8 mg/kg/day. The no observed effect dose for developmental toxicity in rats is 0.3 mg/kg/day, about one-tenth the MRHD of 40 mg/day.

#### *Olmesartan medoxomil and Hydrochlorothiazide.*

No teratogenic effects were observed when 1.6:1 combinations of olmesartan medoxomil and hydrochlorothiazide were administered to pregnant mice at oral doses up to 1625 mg/kg/day (122 times the MRHD on a mg/m<sup>2</sup> basis) or pregnant rats up to 1625 mg/kg/day (243 times the MRHD on a mg/m<sup>2</sup> basis) or pregnant rabbits at oral doses up to 1 mg/kg/day (0.3 times the MRHD on a mg/m<sup>2</sup> basis). In rats, however, fetal body weights at 1625 mg/kg/day (a toxic, sometimes lethal dose in the dams) were significantly lower than control. The no observed effect dose for developmental toxicity in rats is 162.5 mg/kg/day, about 24 times, on a mg/m<sup>2</sup> basis, the MRHD of 40 mg olmesartan medoxomil/25 mg hydrochlorothiazide/day. (Calculations based on a 60 kg patient.)

#### *Amlodipine.*

No evidence of teratogenicity or other embryo/fetal toxicity was found when pregnant rats and rabbits were treated orally with amlodipine maleate at doses of up to 10 mg amlodipine/kg/day (respectively about 10 and 20 times the maximum recommended human dose of 10 mg amlodipine on a mg/m<sup>2</sup> basis) during their respective periods of major organogenesis (calculations based on a patient weight of 60 kg). However, litter size was significantly decreased (by about 50%), and the number of intrauterine deaths was significantly increased (about 5-fold) in rats receiving amlodipine maleate at a dose equivalent to 10 mg amlodipine/kg/day for 14 days before mating and throughout mating and gestation. Amlodipine maleate has been shown to prolong both the gestational period and the duration of labor in rats at this dose.

#### *Hydrochlorothiazide.*

No teratogenic effects were observed when hydrochlorothiazide was administered to mice and rats via gavage at doses up to 3000 and 1000 mg/kg/day, respectively (about 600 and 400 times the MRHD), on gestation days 6 through 15.

## **8.2 Lactation**

### Risk Summary

There is limited information regarding the presence olmesartan medoxomil, amlodipine and hydrochlorothiazide in human milk, the effects on the breastfed infant, or the effects on milk production. Amlodipine and hydrochlorothiazide are present in human milk. Olmesartan is present in rat milk [see Data]. Because of the potential for adverse effects on the nursing infant, advise a nursing woman that breastfeeding is not recommended during treatment with olmesartan medoxomil, amlodipine and hydrochlorothiazide.

### Data

Presence of olmesartan in milk was observed after a single oral administration of 5 mg/kg [ <sup>14</sup>C] olmesartan medoxomil to lactating rats.

## **8.4 Pediatric Use**

The safety and effectiveness of olmesartan medoxomil, amlodipine and hydrochlorothiazide in pediatric patients have not been established.

## 8.5 Geriatric Use

*Olmesartan medoxomil, amlodipine and hydrochlorothiazide.* In a controlled clinical trial, 123 hypertensive patients treated with olmesartan medoxomil, amlodipine and hydrochlorothiazide were  $\geq 65$  years of age and 18 patients were  $\geq 75$  years of age. No overall differences in the efficacy or safety of olmesartan medoxomil, amlodipine and hydrochlorothiazide were observed in these patient populations; however, greater sensitivity of some older individuals cannot be ruled out. The recommended initial dose of amlodipine in patients  $\geq 75$  years of age is 2.5 mg, a dose not available with olmesartan medoxomil, amlodipine and hydrochlorothiazide.

## 8.6 Hepatic Impairment

There are no studies of olmesartan medoxomil, amlodipine and hydrochlorothiazide in patients with hepatic insufficiency, but both amlodipine and olmesartan medoxomil show moderate increases in exposure in patients with severe hepatic impairment. The recommended initial dose of amlodipine in patients with severe hepatic impairment is 2.5 mg, a dose not available with olmesartan medoxomil, amlodipine and hydrochlorothiazide [see Warnings and Precautions (5.5)].

*Amlodipine.* Amlodipine is extensively metabolized by the liver and the plasma elimination half-life ( $t_{1/2}$ ) is 56 hours in patients with severely impaired hepatic function.

*Olmesartan medoxomil.* Increases in  $AUC_{0 \text{ to } \infty}$  and peak plasma concentration ( $C_{\max}$ ) for olmesartan were observed with moderate hepatic impairment compared to those in matched controls with an increase in AUC of about 60%.

*Hydrochlorothiazide.* In patients with impaired hepatic function or progressive liver disease, minor alterations of fluid and electrolyte balance may precipitate hepatic coma.

## 8.7 Renal Impairment

There are no studies of olmesartan medoxomil, amlodipine and hydrochlorothiazide in patients with renal impairment. Avoid use in patients with severe renal impairment (creatinine clearance  $< 30$  mL/min).

*Olmesartan medoxomil.* Patients with renal insufficiency have elevated serum concentrations of olmesartan compared with patients with normal renal function. After repeated dosing, AUC was approximately tripled in patients with severe renal impairment (creatinine clearance  $< 20$  mL/min). No initial dosage adjustment is recommended for patients with moderate to marked renal impairment (creatinine clearance  $< 40$  mL/min). The pharmacokinetics of olmesartan in patients undergoing hemodialysis has not been studied.

*Amlodipine.* The pharmacokinetics of amlodipine are not significantly influenced by renal impairment.

*Hydrochlorothiazide.* Thiazide should be used with caution in patients with severe renal disease. In patients with renal disease, thiazides may precipitate azotemia. Cumulative effects of the drug may develop in patients with impaired renal function.

## 8.8 Black Patients

Of the total number of patients who received olmesartan medoxomil, amlodipine and hydrochlorothiazide in a randomized trial, 29% (184/627) were black. Olmesartan medoxomil, amlodipine and hydrochlorothiazide was effective in lowering both systolic and diastolic blood pressure in black patients (usually a low-renin population) to the same extent as in non-black patients.

## 10 OVERDOSAGE

There is no information on overdosage with olmesartan medoxomil, amlodipine and hydrochlorothiazide in humans.

*Olmesartan medoxomil.* Limited data are available related to overdosage in humans. The most likely manifestations of overdosage would be hypotension and tachycardia; bradycardia could be encountered if parasympathetic (vagal) stimulation occurs. If symptomatic hypotension should occur, supportive treatment should be initiated. The dialyzability of olmesartan is unknown.

*Amlodipine.* Single oral doses of amlodipine maleate equivalent to 40 mg amlodipine/kg and 100 mg amlodipine/kg in mice and rats, respectively, caused deaths. Single oral amlodipine maleate doses equivalent to 4 or more mg amlodipine/kg or higher in dogs (11 or more times the maximum recommended human dose on a mg/m<sup>2</sup> basis) caused a marked peripheral vasodilation and hypotension.

Overdosage might be expected to cause excessive peripheral vasodilation with marked hypotension and possibly a reflex tachycardia. In humans, experience with intentional overdosage of amlodipine is limited.

If massive overdose should occur, active cardiac and respiratory monitoring should be instituted. Frequent blood pressure measurements are essential. Should hypotension occur, cardiovascular support including elevation of the extremities and the judicious administration of fluids should be initiated. If hypotension remains unresponsive to these conservative measures, administration of vasopressors (such as phenylephrine) should be considered with attention to circulating volume and urine output. Intravenous calcium gluconate may help to reverse the effects of calcium entry blockade. As amlodipine is highly protein bound, hemodialysis is not likely to be of benefit.

*Hydrochlorothiazide.* The most common signs and symptoms of overdose observed in humans are those caused by electrolyte depletion (hypokalemia, hyponatremia, hypochloremia) and dehydration resulting from excessive diuresis. If digitalis has also been administered, hypokalemia may accentuate cardiac arrhythmias. The degree to which hydrochlorothiazide is removed by hemodialysis has not been established. The oral LD<sub>50</sub> of hydrochlorothiazide is greater than 10 g/kg in both mice and rats, more than 1000-fold the highest recommended human dose.

## 11 DESCRIPTION

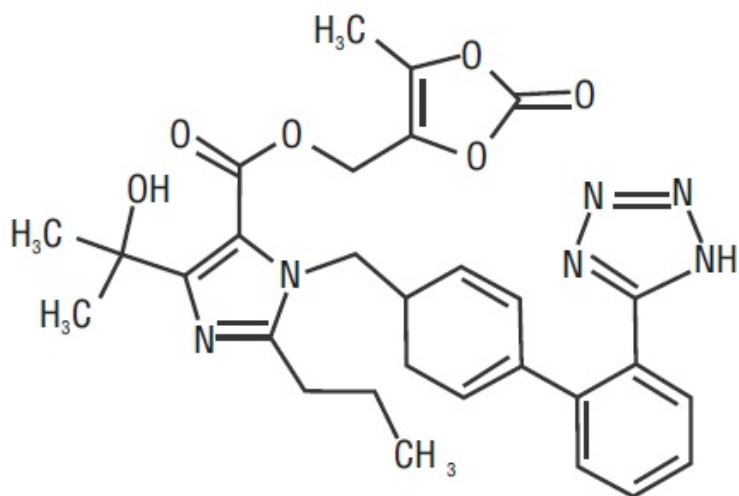
Olmesartan medoxomil, amlodipine and hydrochlorothiazide provided as a tablet for oral administration, is a fixed combination of olmesartan medoxomil (ARB), amlodipine (CCB), and hydrochlorothiazide (thiazide diuretic).

Olmesartan medoxomil, a prodrug, is hydrolyzed to olmesartan during absorption from the gastrointestinal tract.

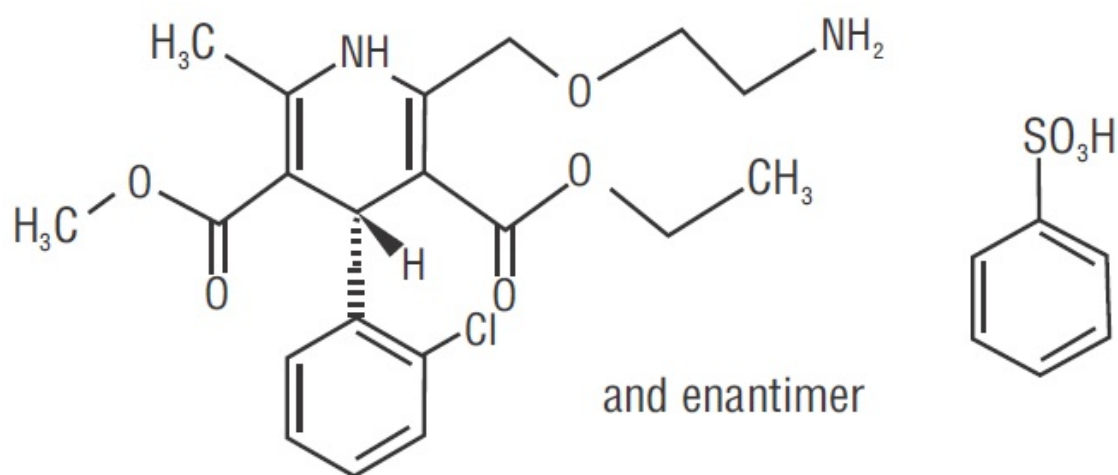
The olmesartan medoxomil component of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is chemically described as 1H-Imadazole-5-carboxylic acid, 4-(1-hydroxy-1-methyl-ethyl)- 2-Propyl-1-[[2'-(1H tetrazole-5-yl) [1,1'-biphenyl]-4-yl]methyl-, (5- methyl-2-oxo-1, 3-dioxol-4-yl) methyl ester. Its empirical formula is C<sub>29</sub>H<sub>30</sub>N<sub>6</sub>O<sub>6</sub>.

The amlodipine besylate component of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is chemically described as 3,5-pyridine dicarboxylic acid, 2-[(2-aminoethoxy)methyl]-4-(2-chlorophenyl)-1,4-dihydro-6-methyl,3-ethyl 5-methyl ester, (±)-monobenzenesulfonate. Its empirical formula is C<sub>26</sub>H<sub>31</sub>ClN<sub>2</sub>O<sub>8</sub>S.

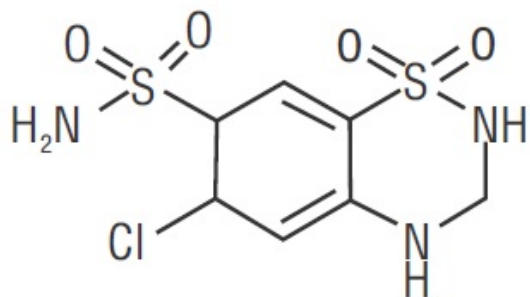
The hydrochlorothiazide component of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is chemically described as 6-chloro-3, 4-dihydro-2 H-1, 2, 4-benzothiadiazine-7-sulphonamide 1,1- dioxide. Its empirical formula is C<sub>7</sub>H<sub>8</sub>ClN<sub>3</sub>O<sub>4</sub>S<sub>2</sub>. The structural formula for olmesartan medoxomil is:



The structural formula for amlodipine besylate is:



The structural formula for hydrochlorothiazide is:



Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet contains olmesartan medoxomil USP, a white to off-white, crystalline powder, amlodipine besylate USP, a white or almost white powder, and hydrochlorothiazide USP, a white or practically white, practically odourless, crystalline powder. The molecular weights of olmesartan medoxomil, amlodipine besylate, and hydrochlorothiazide are 558.6, 567.1, and 297.7, respectively. Olmesartan medoxomil USP is practically insoluble in water and in heptane, slightly soluble in ethanol (96%), sparingly soluble in methanol. Amlodipine besylate USP is slightly soluble in water, freely soluble in methanol, sparingly soluble in anhydrous

ethanol, slightly soluble in 2-propanol. Hydrochlorothiazide USP is very slightly soluble in water, freely soluble in sodium hydroxide solution, in n-butylamine, and in dimethyl formamide, sparingly soluble in methanol, insoluble in ether, in chloroform and in dilute mineral acids.

Each tablet of olmesartan medoxomil, amlodipine and hydrochlorothiazide also contains the following inactive ingredients: colloidal silicon dioxide, croscarmellose sodium, magnesium stearate, microcrystalline cellulose and pregelatinized starch. The color coating contains iron oxide black, iron oxide red, iron oxide yellow, macrogol, polyvinyl alcohol, talc and titanium dioxide.

The botanical source for pregelatinized starch is corn starch.

## 12 CLINICAL PHARMACOLOGY

### 12.1 Mechanism of Action

The active ingredients of olmesartan medoxomil, amlodipine and hydrochlorothiazide target three separate mechanisms involved in blood pressure regulation. Specifically, amlodipine blocks the contractile effects of calcium on cardiac and vascular smooth muscle cells; olmesartan medoxomil blocks the vasoconstriction and sodium retaining effects of angiotensin II on cardiac, vascular smooth muscle, adrenal and renal cells; and hydrochlorothiazide directly promotes the excretion of sodium and chloride in the kidney leading to reductions in intravascular volume. For a more detailed description of the mechanisms of action for each individual component, see below.

*Olmesartan medoxomil.* Angiotensin II is formed from angiotensin I in a reaction catalyzed by ACE, kininase II. Angiotensin II is the principal pressor agent of the renin-angiotensin system, with effects that include vasoconstriction, stimulation of synthesis and release of aldosterone, cardiac stimulation, and renal reabsorption of sodium.

Olmesartan blocks the vasoconstrictor effects of angiotensin II by selectively blocking the binding of angiotensin II to the AT<sub>1</sub> receptor in vascular smooth muscle. Its action is, therefore, independent of the pathways for angiotensin II synthesis.

An AT<sub>2</sub> receptor is found also in many tissues, but this receptor is not known to be associated with cardiovascular homeostasis. Olmesartan has more than a 12,500-fold greater affinity for the AT<sub>1</sub> receptor than for the AT<sub>2</sub> receptor.

Blockade of the renin-angiotensin system with ACE inhibitors, which inhibit the biosynthesis of angiotensin II from angiotensin I, is a mechanism of many drugs used to treat hypertension. Angiotensin-converting enzyme inhibitors also inhibit the degradation of bradykinin, a reaction also catalyzed by ACE. Because olmesartan does not inhibit ACE (kininase II), it does not affect the response to bradykinin. Whether this difference has clinical relevance is not yet known.

Blockade of the angiotensin II receptor inhibits the negative regulatory feedback of angiotensin II on renin secretion, but the resulting increased plasma renin activity and circulating angiotensin II levels do not overcome the effect of olmesartan on blood pressure.

*Amlodipine.* Amlodipine is a dihydropyridine calcium channel blocker that inhibits the transmembrane influx of calcium ions into vascular smooth muscle and cardiac muscle. Experimental data suggests that amlodipine binds to both dihydropyridine and nonhydropyridine binding sites. The contractile processes of cardiac muscle and vascular smooth muscle are dependent upon the movement of extracellular calcium ions into these cells through specific ion channels. Amlodipine inhibits calcium ion influx across cell membranes selectively, with a greater effect on vascular smooth muscle cells than on cardiac muscle cells. Negative inotropic effects can be detected *in vitro* but such effects have not been seen in intact animals at therapeutic doses. Serum calcium concentration is not affected by amlodipine. Within the physiologic pH range, amlodipine is an ionized compound (pK<sub>a</sub>=8.6), and its kinetic interaction with the calcium channel receptor is characterized by a gradual rate of association and dissociation with the receptor binding site, resulting in a gradual onset of effect.

Amlodipine is a peripheral arterial vasodilator that acts directly on vascular smooth muscle to cause a reduction in peripheral vascular resistance and reduction in blood

pressure.

*Hydrochlorothiazide.* Hydrochlorothiazide is a thiazide diuretic. Thiazides affect the renal tubular mechanisms of electrolyte reabsorption, directly increasing excretion of sodium and chloride in approximately equivalent amounts. Indirectly, the diuretic action of hydrochlorothiazide reduces plasma volume, with consequent increases in plasma renin activity, increases in aldosterone secretion, increases in urinary potassium loss, and decreases in serum potassium. The renin-aldosterone link is mediated by angiotensin II, so co-administration of an angiotensin II receptor antagonist tends to reverse the potassium loss associated with these diuretics.

The mechanism of the antihypertensive effect of thiazides is not fully understood.

## 12.2 Pharmacodynamics

Olmesartan medoxomil, amlodipine and hydrochlorothiazide has been shown to be effective in lowering blood pressure. The three components of olmesartan medoxomil, amlodipine and hydrochlorothiazide lower the blood pressure through complementary mechanisms, each working at a separate site and blocking different effects or pathways. The pharmacodynamics of each individual component is described below.

*Olmesartan medoxomil.* Olmesartan medoxomil doses of 2.5 to 40 mg inhibit the pressor effects of angiotensin I infusion. The duration of the inhibitory effect was related to dose, with doses of olmesartan medoxomil >40 mg giving >90% inhibition at 24 hours. Plasma concentrations of angiotensin I and angiotensin II and plasma renin activity (PRA) increase after single and repeated administration of olmesartan medoxomil to healthy subjects and hypertensive patients. Repeated administration of up to 80 mg olmesartan medoxomil had minimal influence on aldosterone levels and no effect on serum potassium.

*Amlodipine.* Following administration of therapeutic doses to patients with hypertension, amlodipine produces vasodilation resulting in a reduction of supine and standing blood pressures. These decreases in blood pressure are not accompanied by a significant change in heart rate or plasma catecholamine levels with chronic dosing.

With chronic once daily oral administration, antihypertensive effectiveness is maintained for at least 24 hours. Plasma concentrations correlate with effect in both young and elderly patients. The magnitude of reduction in blood pressure with amlodipine is also correlated with the height of pretreatment elevation; thus, individuals with moderate hypertension (diastolic pressure 105 to 114 mmHg) had about a 50% greater response than patients with mild hypertension (diastolic pressure 90 to 104 mmHg).

Normotensive patients experienced no clinically significant change in blood pressures (+1/-2 mmHg).

In hypertensive patients with normal renal function, therapeutic doses of amlodipine resulted in a decrease in renal vascular resistance and an increase in glomerular filtration rate and effective renal plasma flow without change in filtration fraction or proteinuria.

As with other calcium channel blockers, hemodynamic measurements of cardiac function at rest and during exercise (or pacing) in patients with normal ventricular function treated with amlodipine have generally demonstrated a small increase in cardiac index without significant influence on dP/dt or on left ventricular end diastolic pressure or volume. In hemodynamic studies, amlodipine has not been associated with a negative inotropic effect when administered in the therapeutic dose range to intact animals and man, even when co-administered with beta-blockers to man. Similar findings, however, have been observed in normal or well-compensated patients with heart failure with agents possessing significant negative inotropic effects.

Amlodipine does not change sinoatrial nodal function or atrioventricular conduction in intact animals or man. In clinical studies in which amlodipine was administered in combination with beta-blockers to patients with either hypertension or angina, no adverse effects on electrocardiographic parameters were observed.

*Hydrochlorothiazide.* After oral administration of hydrochlorothiazide, diuresis begins within 2 hours, peaks in about 4 hours, and lasts about 6 to 12 hours.

### Drug Interactions

*Alcohol, Barbiturates, or Narcotics:* Potentiation of orthostatic hypotension may occur.

*Skeletal muscle relaxants, non-depolarizing (e.g., tubocurarine):* Possible increased



responsiveness to the muscle relaxant.

## 12.3 Pharmacokinetics

*Olmesartan medoxomil, amlodipine and hydrochlorothiazide.* After oral administration of olmesartan medoxomil, amlodipine, and hydrochlorothiazide in normal healthy adults, peak plasma concentrations of olmesartan, amlodipine, and hydrochlorothiazide are reached in about 1.5 to 3 hours, 6 to 8 hours, and 1.5 to 2 hours, respectively. The rate and extent of absorption of olmesartan medoxomil, amlodipine, and hydrochlorothiazide from olmesartan medoxomil, amlodipine, and hydrochlorothiazide are the same as when administered as individual dosage forms. Food does not affect the bioavailability of olmesartan medoxomil, amlodipine and hydrochlorothiazide.

*Olmesartan medoxomil.* Olmesartan medoxomil is rapidly and completely bioactivated by ester hydrolysis to olmesartan during absorption from the gastrointestinal tract. The absolute bioavailability of olmesartan medoxomil is approximately 26%. After oral administration, the  $C_{max}$  of olmesartan is reached after 1 to 2 hours. Food does not affect the bioavailability of olmesartan medoxomil.

*Amlodipine.* After oral administration of therapeutic doses of amlodipine, absorption produces peak plasma concentrations between 6 and 12 hours. Absolute bioavailability is estimated between 64% and 90%.

*Hydrochlorothiazide.* When plasma levels have been followed for at least 24 hours, the plasma half-life has been observed to vary between 5.6 and 14.8 hours.

### Distribution

*Olmesartan medoxomil.* The volume of distribution of olmesartan is approximately 17 L. Olmesartan is highly bound to plasma proteins (99%) and does not penetrate red blood cells. The protein binding is constant at plasma olmesartan concentrations well above the range achieved with recommended doses.

In rats, olmesartan crossed the blood-brain barrier poorly, if at all. Olmesartan passed across the placental barrier in rats and was distributed to the fetus. Olmesartan was distributed to milk at low levels in rats.

*Amlodipine.* *Ex vivo* studies have shown that approximately 93% of the circulating drug is bound to plasma proteins in hypertensive patients. Steady-state plasma levels of amlodipine are reached after 7 to 8 days of consecutive daily dosing.

*Hydrochlorothiazide.* Hydrochlorothiazide crosses the placental but not the blood-brain barrier and is excreted in breast milk.

### Metabolism and Excretion

*Olmesartan medoxomil.* Following the rapid and complete conversion of olmesartan medoxomil to olmesartan during absorption, there is virtually no further metabolism of olmesartan. Total plasma clearance of olmesartan is 1.3 L/h, with a renal clearance of 0.6 L/h. Approximately 35% to 50% of the absorbed dose is recovered in urine while the remainder is eliminated in feces via the bile.

Olmesartan appears to be eliminated in a biphasic manner with a terminal elimination half-life of approximately 13 hours. Olmesartan shows linear pharmacokinetics following single oral doses of up to 320 mg and multiple oral doses of up to 80 mg. Steady-state levels of olmesartan are achieved within 3 to 5 days and no accumulation in plasma occurs with once-daily dosing.

*Amlodipine.* Amlodipine is extensively (about 90%) converted to inactive metabolites via hepatic metabolism. Elimination from the plasma is biphasic with a terminal elimination half-life of about 30 to 50 hours. Ten percent of the parent compound and 60% of the metabolites are excreted in the urine.

*Hydrochlorothiazide.* Hydrochlorothiazide is not metabolized but is eliminated rapidly by the kidney. At least 61% of the oral dose is eliminated unchanged within 24 hours.

### Specific Populations

#### Geriatric Patients

*Olmesartan medoxomil.* The pharmacokinetics of olmesartan medoxomil were studied in the elderly ( $\geq 65$  years). Overall, maximum plasma concentrations of olmesartan were similar in young adults and the elderly. Modest accumulation of olmesartan was observed in the elderly with repeated dosing;  $AUC_{ss}$ ,  $\tau$  was 33% higher in elderly patients, corresponding to an approximate 30% reduction in  $CL_R$ .

*Amlodipine.* Elderly patients have decreased clearance of amlodipine with a resulting increase in AUC of approximately 40% to 60%, and a lower initial dose may be required.

#### Male and Female Patients

Population pharmacokinetic analysis indicated that gender had no effect on the clearance of olmesartan and amlodipine. Female patients had approximately 20% smaller clearances of hydrochlorothiazide than male patients.

*Olmesartan medoxomil.* Minor differences were observed in the pharmacokinetics of olmesartan medoxomil in women compared to men. Area under the curve and  $C_{max}$  were 10% to 15% higher in women than in men.

#### Patients with Renal Impairment

*Olmesartan medoxomil.* In patients with renal insufficiency, serum concentrations of olmesartan were elevated compared to subjects with normal renal function. After repeated dosing, the AUC was approximately tripled in patients with severe renal impairment (creatinine clearance <20 mL/min). The pharmacokinetics of olmesartan medoxomil in patients undergoing hemodialysis has not been studied.

*Amlodipine.* The pharmacokinetics of amlodipine are not significantly influenced by renal impairment.

#### Patients with Hepatic Impairment

*Olmesartan medoxomil.* Increases in  $AUC_{0 \text{ to } \infty}$  and  $C_{max}$  were observed in patients with moderate hepatic impairment compared to those in matched controls, with an increase in AUC of about 60%.

*Amlodipine.* Patients with hepatic insufficiency have decreased clearance of amlodipine with a resulting increase in AUC of approximately 40% to 60%.

#### Heart Failure

*Amlodipine.* Patients with heart failure have decreased clearance of amlodipine with a resulting increase in AUC of approximately 40% to 60%.

#### Drug Interaction Studies

*Simvastatin:* Co-administration of multiple doses of 10 mg of amlodipine with 80 mg simvastatin resulted in a 77% increase in exposure to simvastatin compared to simvastatin alone. [see Drug Interactions (7.2)].

*CYP3A inhibitors:* Co-administration of a 180 mg daily dose of diltiazem with 5 mg amlodipine in elderly hypertensive patients resulted in a 60% increase in amlodipine systemic exposure. Erythromycin co-administration in healthy volunteers did not significantly change amlodipine systemic exposure. However, strong inhibitors of CYP3A (e.g., itraconazole, clarithromycin) may increase the plasma concentrations of amlodipine to a greater extent [see Drug Interactions (7.2)].

*Cyclosporine:* In a prospective study in renal transplant patients, an average 40% increase in trough cyclosporine levels was observed in the presence of amlodipine. [see Drug Interactions (7.2)].

*Colesevelam:* Concomitant administration of 40 mg olmesartan medoxomil and 3750 mg colesevelam hydrochloride in healthy subjects resulted in 28% reduction in  $C_{max}$  and 39% reduction in AUC of olmesartan. Lesser effects, 4% and 15% reduction in  $C_{max}$  and AUC respectively, were observed when olmesartan medoxomil was administered 4 hours prior to colesevelam hydrochloride [see Drug Interactions (7.1)].

*Cimetidine:* Co-administration of amlodipine with cimetidine did not alter the pharmacokinetics of amlodipine.

*Grapefruit juice:* Co-administration of 240 mL of grapefruit juice with a single oral dose of amlodipine 10 mg in 20 healthy volunteers had no significant effect on the pharmacokinetics of amlodipine.

*Maalox<sup>®</sup> (antacid):* Co-administration of the antacid Maalox<sup>®</sup> with a single dose of amlodipine had no significant effect on the pharmacokinetics of amlodipine.

*Sildenafil:* A single 100 mg dose of sildenafil in subjects with essential hypertension had no effect on the pharmacokinetic parameters of amlodipine. When amlodipine and sildenafil were used in combination, each agent independently exerted its own blood pressure lowering effect.

*Atorvastatin:* Co-administration of multiple 10 mg doses of amlodipine with 80 mg of atorvastatin resulted in no significant change in the steady state pharmacokinetic parameters of atorvastatin.

*Digoxin:* Co-administration of amlodipine with digoxin did not change serum digoxin levels or digoxin renal clearance in normal volunteers.

No significant drug interactions were reported in studies in which olmesartan medoxomil was coadministered with digoxin in healthy volunteers.

*Ethanol (alcohol):* Single and multiple 10 mg doses of amlodipine had no significant effect on the pharmacokinetics of ethanol.

*Warfarin:* Co-administration of amlodipine with warfarin did not change the warfarin prothrombin response time. No significant drug interactions were reported in studies in which olmesartan medoxomil was coadministered with warfarin in healthy volunteers.

*Antacids:* The bioavailability of olmesartan medoxomil was not significantly altered by the co-administration of antacids [ $\text{Al}(\text{OH})_3/\text{Mg}(\text{OH})_2$ ].

## 13 NONCLINICAL TOXICOLOGY

The rationale for no or limited new toxicity from the triple combination of olmesartan medoxomil, amlodipine, and hydrochlorothiazide has already been established on the basis of the safety profile of the individual compounds or the dual combinations. To clarify the toxicological profile for olmesartan medoxomil, amlodipine and hydrochlorothiazide, a 3-month repeated dose toxicity study was conducted in rats, and the results demonstrated that the combined administration of olmesartan medoxomil, amlodipine, and hydrochlorothiazide neither augment any existing toxicities of the individual agents nor induce any new toxicities and there were no toxicologically synergistic effects observed in the study.

### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

No carcinogenicity, mutagenicity or fertility studies have been conducted with the combination of olmesartan medoxomil, amlodipine and hydrochlorothiazide. However, these studies have been conducted for olmesartan medoxomil, amlodipine and hydrochlorothiazide alone.

*Olmesartan medoxomil.* Olmesartan was not carcinogenic when administered by dietary administration to rats for up to 2 years. The highest dose tested (2000 mg/kg/day) was, on a  $\text{mg}/\text{m}^2$  basis, about 480 times the MRHD of 40 mg/day. Two carcinogenicity studies conducted in mice, a 6-month gavage study in the p53 knockout mouse and a 6-month dietary administration study in the Hras2 transgenic mouse, at doses of up to 1000 mg/kg/day (on a  $\text{mg}/\text{m}^2$  basis, about 120 times the MRHD of 40 mg/day), revealed no evidence of a carcinogenic effect of olmesartan.

Both olmesartan medoxomil and olmesartan tested negative in the *in vitro* Syrian hamster embryo cell transformation assay and showed no evidence of genetic toxicity in the Ames (bacterial mutagenicity) test. However, both were shown to induce chromosomal aberrations in cultured cells *in vitro* (Chinese hamster lung) and tested positive for thymidine kinase mutations in the *in vitro* mouse lymphoma assay.

Olmesartan medoxomil tested negative *in vivo* for mutations in the MutaMouse intestine and kidney and for clastogenicity in mouse bone marrow (micronucleus test) at oral doses of up to 2000 mg/kg (olmesartan not tested).

Fertility of rats was unaffected by administration of olmesartan at dose levels as high as 1000 mg/kg/day (240 times the MRHD of 40 mg/day on a  $\text{mg}/\text{m}^2$  basis) in a study in which dosing was begun 2 (female) or 9 (male) weeks prior to mating. (Calculations based on a 60 kg patient.)

*Amlodipine.* Rats and mice treated with amlodipine maleate in the diet for up to 2 years, at concentrations calculated to provide daily dosage levels of amlodipine 0.5, 1.25, and 2.5 mg/kg/day showed no evidence of a carcinogenic effect of the drug. For the mouse, the highest dose was, on a  $\text{mg}/\text{m}^2$  basis, similar to the MRHD of amlodipine 10 mg/day. For the rat, the highest dose was, on a  $\text{mg}/\text{m}^2$  basis, about two times the MRHD (calculations based on a 60 kg patient).

Mutagenicity studies conducted with amlodipine maleate revealed no drug related effects at either the gene or chromosome level.

There was no effect on the fertility of rats treated orally with amlodipine maleate (males for 64 days and females for 14 days prior to mating) at doses of amlodipine up to 10 mg/kg/day (about 10 times the MRHD of 10 mg/day on a  $\text{mg}/\text{m}^2$  basis).

*Hydrochlorothiazide.* Two-year feeding studies in mice and rats conducted under the

auspices of the National Toxicology Program (NTP) uncovered no evidence of a carcinogenic potential of hydrochlorothiazide in female mice (at doses of up to approximately 600 mg/kg/day) or in male and female rats (at doses of up to approximately 100 mg/kg/day). These doses in mice and rats are about 117 and 39 times, respectively, the MRHD of 25 mg/day on a mg/m<sup>2</sup> basis. (Calculations based on a 60 kg patient.) The NTP, however, found equivocal evidence for hepatocarcinogenicity in male mice.

Hydrochlorothiazide was not genotoxic *in vitro* in the Ames mutagenicity assay of *Salmonella typhimurium* strains TA 98, TA 100, TA 1535, TA 1537, and TA 1538, or in the Chinese Hamster Ovary (CHO) test for chromosomal aberrations. It was also not genotoxic *in vivo* in assays using mouse germinal cell chromosomes, Chinese Hamster bone marrow chromosomes, or in *Drosophila* sex-linked recessive lethal trait gene. Positive test results were obtained in the *in vitro* CHO Sister Chromatid Exchange (clastogenicity) assay, the Mouse Lymphoma Cell (mutagenicity) assay and the *Aspergillus nidulans* nondisjunction assay.

Hydrochlorothiazide had no adverse effects on the fertility of mice and rats of either sex in studies wherein these species were exposed, via their diet, to doses of up to 100 and 4 mg/kg, respectively, prior to mating and throughout gestation. These doses in mice and rats are about 19 and 1.5 times, respectively, the MRHD of 25 mg/day on a mg/m<sup>2</sup> basis. (Calculations based on a 60 kg patient.)

## 14 CLINICAL STUDIES

### 14.1 Olmesartan medoxomil, Amlodipine and Hydrochlorothiazide

The antihypertensive efficacy of olmesartan medoxomil, amlodipine and hydrochlorothiazide was studied in a double-blind, active-controlled study in hypertensive patients. A total of 2492 patients with hypertension (mean baseline blood pressure 169/101 mmHg) received olmesartan medoxomil/amlodipine/hydrochlorothiazide 40/10/25 mg (627 patients), olmesartan medoxomil/ amlodipine 40/10 mg (628 patients), olmesartan medoxomil/hydrochlorothiazide 40/25 mg (637 patients), or amlodipine/hydrochlorothiazide 10/25 mg (600 patients). Each subject was randomized to one of the three dual therapy combinations for two to four weeks. Patients were then randomized to continue on the dual therapy they were receiving or to receive triple therapy. A total of 53% of patients were male, 19% were 65 years or older, 67% were white, 30% were black, and 15% were diabetic.

After 8 weeks of treatment, the triple combination therapy produced greater reductions in both systolic and diastolic blood pressures ( $p < 0.0001$ ) compared to each of the 3 dual combination therapies. The full blood pressure lowering effects were attained within 2 weeks after a change in dose.

The seated blood pressure reductions attributable to the addition of a single high-dose drug to each high-dose dual drug combination are shown in Table 2.

**Table 2 Additional blood pressure reductions on high-dose olmesartan medoxomil, amlodipine and hydrochlorothiazide compared to high doses of dual combination drugs**

Start on	Adding	BP reduction*
Olmesartan medoxomil 40 / amlodipine 10 mg	HCTZ 25 mg	8.4/4.5 mmHg
Olmesartan medoxomil 40 / HCTZ 25 mg	Amlodipine 10 mg	7.6/5.4 mmHg
Amlodipine 10 / HCTZ 25 mg	Olmesartan medoxomil 40 mg	8.1/5.4 mmHg

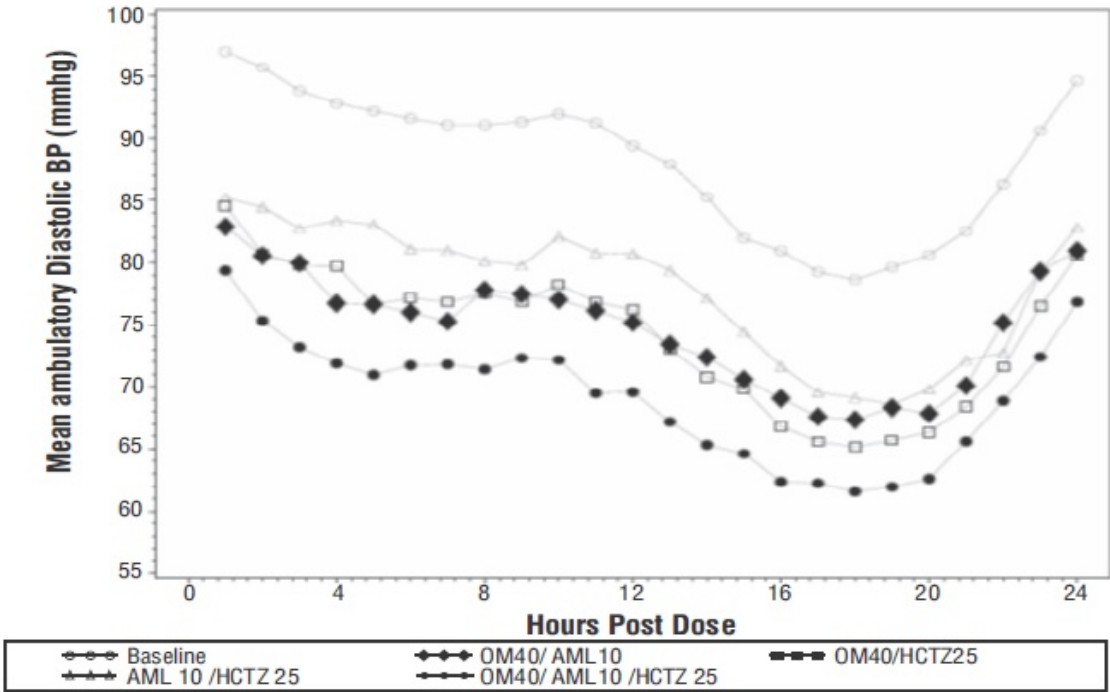
\*all highly statistically significant.

There were no apparent differences in terms of seated diastolic blood pressure (SeDBP) or seated systolic blood pressure (SeSBP) reductions in black and non-black patients treated with olmesartan medoxomil, amlodipine and hydrochlorothiazide [see *Use in Specific Populations* (8.8)].

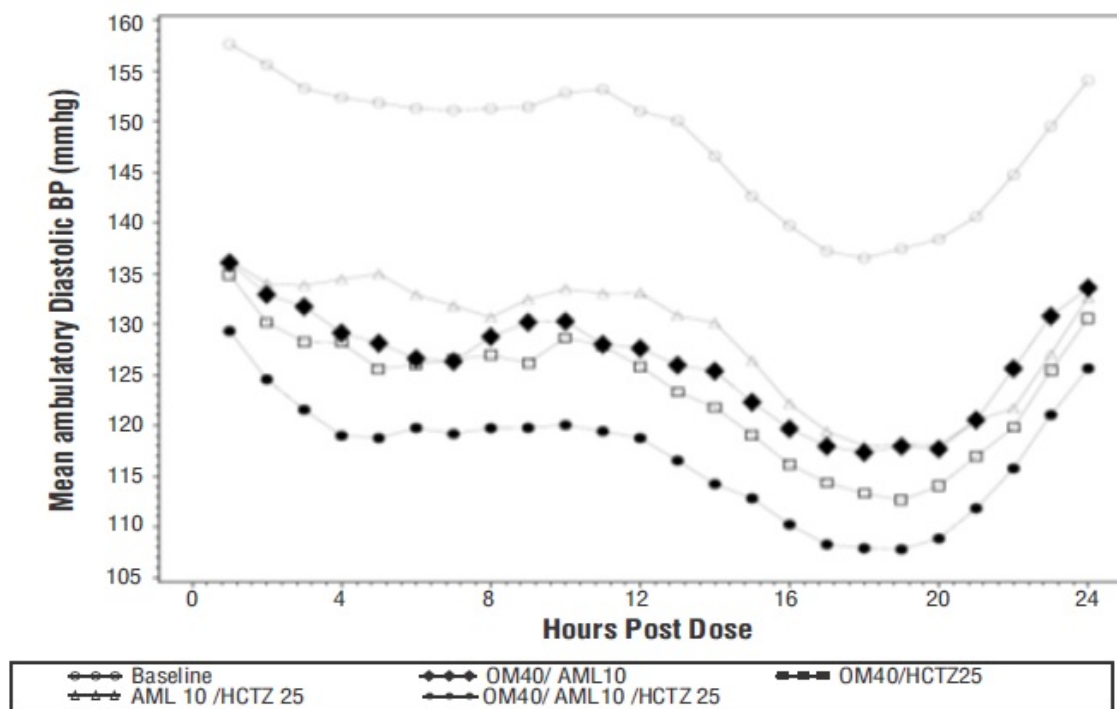
There were no apparent differences in terms of SeDBP or SeSBP reductions in diabetic and non-diabetic patients treated with olmesartan medoxomil, amlodipine, and hydrochlorothiazide.

A total of 440 patients participated in the ambulatory blood pressure monitoring portion of the study. Over the 24-hour period, there was a greater reduction in diastolic and systolic ambulatory blood pressure for olmesartan medoxomil/amlodipine/hydrochlorothiazide 40/10/25 mg compared to each of the dual combination therapies (see Figure 1 and Figure 2).

**Figure 1: Mean Ambulatory Diastolic Blood Pressure at Endpoint by Treatment and Hour**



**Figure 2: Mean Ambulatory Systolic Blood Pressure at Endpoint by Treatment and Hour**



The blood pressure lowering effects of lower dose strengths of olmesartan medoxomil, amlodipine and hydrochlorothiazide 20/5/12.5 mg, 40/5/12.5 mg, 40/10/12.5 mg, and 40/5/25 mg have not been studied.

All of the dose strengths of the triple combination are expected to provide superior blood pressure lowering effects compared to their respective mono and dual combination components. The order of the blood pressure lowering effects among the different dose strengths of olmesartan medoxomil, amlodipine and hydrochlorothiazide is expected to be 20/5/12.5 mg < 40/5/12.5 mg < (40/10/12.5 mg ≈ 40/5/25 mg) < 40/10/25 mg.

There are no trials of olmesartan medoxomil, amlodipine and hydrochlorothiazide demonstrating reductions in cardiovascular risk in patients with hypertension, but at least one pharmacologically similar drug has demonstrated such benefits.

## 16 HOW SUPPLIED/STORAGE AND HANDLING

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets contain olmesartan medoxomil, amlodipine besylate at a dose equivalent to 5 or 10 mg amlodipine, and hydrochlorothiazide in the strengths described below.

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets are supplied for oral administration in the following strength and package configurations:

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, 20 mg/5 mg/12.5 mg are orange-white, round, biconvex film coated tablets debossed with 'H' on one side and 'O 12' on the other side. They are supplied as

Bottle of 30 tablets (NDC 31722-892-30)

Bottle of 90 tablets (NDC 31722-892-90)

Blister Card of 10 Unit dose tablets (NDC 31722-892-31)

Carton of 100 (10 x 10) Unit dose tablets (NDC 31722-892-32)

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, 40 mg/5 mg/12.5 mg are light yellow, round, biconvex film coated tablets debossed with 'H' on one side and 'O 13' on the other side. They are supplied as

Bottle of 30 tablets (NDC 31722-893-30)

Bottle of 90 tablets (NDC 31722-893-90)

Blister Card of 8 Unit dose tablets (NDC 31722-893-31)

Carton of 80 (10 x 8) Unit dose tablets (NDC 31722-893-32)  
Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, 40 mg/5 mg/25 mg are light yellow, oval shaped, biconvex film coated tablets debossed with 'H' on one side and 'O 14' on the other side. They are supplied as  
Bottle of 30 tablets (NDC 31722-894-30)  
Bottle of 90 tablets (NDC 31722-894-90)  
Blister Card of 10 Unit dose tablets (NDC 31722-894-31)  
Carton of 100 (10 x 10) Unit dose tablets (NDC 31722-894-32)  
Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, 40 mg/10 mg/12.5 mg are grayish red, round, biconvex film coated tablets debossed with 'H' on one side and 'O 15' on the other side. They are supplied as  
Bottle of 30 tablets (NDC 31722-895-30)  
Bottle of 90 tablets (NDC 31722-895-90)  
Blister Card of 8 Unit dose tablets (NDC 31722-895-31)  
Carton of 80 (10 x 8) Unit dose tablets (NDC 31722-895-32)  
Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, 40 mg/10 mg/25 mg are grayish red, oval shaped, biconvex film coated tablets debossed with 'H' on one side and 'O 16' on the other side. They are supplied as  
Bottle of 30 tablets (NDC 31722-896-30)  
Bottle of 90 tablets (NDC 31722-896-90)  
Blister Card of 10 Unit dose tablets (NDC 31722-896-31)  
Carton of 100 (10 x 10) Unit dose tablets (NDC 31722-896-32)  
Stored at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

## 17 PATIENT COUNSELING INFORMATION

**Pregnancy:** Tell female patients of childbearing age about the consequences of exposure to olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets during pregnancy. Discuss treatment options with women planning to become pregnant. Tell patients to report pregnancies to their physicians as soon as possible [see *Warnings and Precautions (5.1) and Use in Specific Populations (8.1)*].

**Lactation:** Advise nursing women not to breastfeed during treatment with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets [see *Use in Specific Populations (8.2)*].

**Symptomatic Hypotension:** Advise patients that lightheadedness can occur, especially during the first days of therapy, and that it should be reported to the prescribing physician. Tell patients that if syncope occurs, olmesartan medoxomil, amlodipine, and hydrochlorothiazide tablets should be discontinued until the physician has been consulted. Tell patients that inadequate fluid intake, excessive perspiration, diarrhea, or vomiting can lead to an excessive fall in blood pressure, with the same consequences of lightheadedness and possible syncope.

**Non-melanoma Skin Cancer:** Instruct patients taking hydrochlorothiazide to protect skin from the sun and undergo regular skin cancer screening.

**Potassium Supplements:** Advise patients not to use potassium supplements or salt substitutes containing potassium without consulting their healthcare provider.

**Acute myopia and secondary angle-closure glaucoma:** Advise patients to discontinue olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets and seek immediate medical attention if they experience symptoms of acute myopia or secondary angle-closure glaucoma [see *Warnings and Precautions (5.9)*].



Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

By: **HETERO™**

Hetero Labs Limited, Unit V, Polepally, Jadcherla,  
Mahabubnagar - 509 301, India.

Revised: 11/2025

## **FDA-Approved Patient Labeling Patient Information**

Olmesartan medoxomil, Amlodipine and Hydrochlorothiazide  
(OL-me-SAR-tan me-DOX-oh-mil, am LOE di peen and hye droe klor oh THYE a zide)  
Tablets

Read the Patient Information that comes with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets before you take it and each time you get a refill. There may be new information. This leaflet does not take the place of talking with your doctor about your medical condition or treatment.

### **What is the most important information I should know about olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

- Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can cause harm or death to an unborn baby.
- Talk to your doctor about other ways to lower your blood pressure if you plan to become pregnant.
- If you get pregnant while taking olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, tell your doctor right away.

### **What are olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is a prescription medicine used to lower blood pressure (hypertension). Medicines that lower blood pressure lower your chance of having a stroke or heart attack. Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is not for use as the first medicine to treat your high blood pressure.

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet contains 3 different prescription medications:

1. amlodipine, a calcium channel blocker
2. olmesartan medoxomil, an angiotensin receptor blocker, and
3. hydrochlorothiazide, a diuretic (water pill)

It is not known if olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet is safe and works in children.

### **Who should not take olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

Do not take olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets if you:

- have low or no urine output
- are allergic to other Sulfonamide type medicines. Ask your doctor if you are not sure.
- are taking aliskiren and have diabetes.

### **What should I tell my doctor before taking olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

Before taking olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, tell your doctor if you:

- **are pregnant or plan to become pregnant. See “What is the most important information I should know about olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?”**
- **are breast feeding or plan to breast feed.** One of the medicines in olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can pass into your breast milk and may harm your baby. You and your doctor should decide if you will take olmesartan



medoxomil, amlodipine and hydrochlorothiazide tablet or breastfeed. You should not do both.

- are allergic to any of the ingredients in olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets. See the end of the leaflet for a list of the ingredients in olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets.

- have liver problems
- have heart problems
- have kidney problems
- have lupus
- are vomiting or have a lot of diarrhea
- have any other medical conditions

Tell your doctor about all the medicines you take, including prescription and non-prescription medicines, vitamins, and herbal supplements. Some of your other medicines and olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets could affect each other, causing serious side effects.

Especially tell your doctor if you are taking:

- water pills (diuretics)
- other medicines for high blood pressure or a heart problem
- potassium supplements or using salt substitute containing potassium
- diabetes medicine including insulin
- narcotic pain medicine
- sleeping pills and anti-seizure medicines called barbiturates
- lithium, a medicine used to treat certain kinds of depression
- medicines used to treat pain or arthritis such as aspirin or non-steroidal anti-inflammatory drugs (NSAIDs)
- steroids
- cholesterol lowering medicines
- tacrolimus and cyclosporine (medicines used to alter the way your immune system works)

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

### **How should I take olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

- Take olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets exactly as prescribed by your doctor. Your doctor may change your dose if needed.
- Take olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets one time a day.
- Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can be taken with or without food.
- If you miss a dose, take it as soon as you remember. If it is close to your next dose, do not take the missed dose. Just take the next dose at your regular time.
- If you take too much olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets, call your doctor or Poison Control Center, or go to the nearest hospital emergency room.

### **What should I avoid while taking olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

**Drinking alcohol.** Drinking alcohol during treatment with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can cause you to have low blood pressure. See “What are the possible side effects of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?”

### **What are the possible side effects of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets may cause serious side effects, including:

- **Harm to an unborn baby causing injury or death.** See “What is the most important information I should know about olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?”
- **Low Blood Pressure (hypotension).** Low blood pressure may cause you to feel faint or dizzy. Lie down, if you feel faint or dizzy. Call your doctor right away.
- **Kidney problems.** Kidney problems may get worse in people that already have kidney

disease. Blood tests for kidney function may be done while you are taking olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets and the doctor may need to lower your dose of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets. Call your doctor if you get swelling in your feet, ankles, or hands, or unexplained weight gain. If you have heart failure, your doctor should check your kidney function before prescribing olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets.

- **Worsening chest pain or heart attack.** Get medical help right away if you have chest pain that gets worse, or that does not go away, during treatment with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets.

- **Allergic reactions.** Hydrochlorothiazide, one of the medicines in olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can cause allergic reactions.

- **Changes in body salts (such as sodium and potassium), and body fluids.** Tell your doctor if you have any of these signs or symptoms during treatment with olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets:

- o Dry mouth
- o thirst
- o weakness
- o tiredness or sleepiness
- o restlessness
- o confusion
- o seizures
- o muscle pains or cramps
- o muscle tiredness
- o dizziness or fainting
- o low or no urine output
- o fast heartbeat
- o nausea and vomiting

- **Eye problems.** One of the medicines in olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can cause eye problems that may lead to vision loss. Symptoms of eye problems can happen within hours to weeks of starting olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets. Tell your doctor right away if you have:

- o decrease in vision
- o eye pain

- **Severe diarrhea and weight loss.** Severe, chronic diarrhea with considerable weight loss may develop months to years after starting olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets. Tell your doctor if you are experiencing these symptoms.

The most common side effects of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets used to treat people with high blood pressure include:

- o dizziness
- o swelling (edema) of the ankles, feet, and hands
- o headache
- o tiredness
- o stuffy or runny nose and sore throat
- o muscle twitching (spasms)
- o nausea
- o upper respiratory tract infection
- o diarrhea
- o urinary tract infection
- o swelling (edema) of the joints

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all of the possible the side effects of olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets. For more information, ask your doctor or pharmacist. Call your doctor for medical advice about side effects. You may report side effect to the FDA at 1-800-FDA-1088.

### **How do I store olmesartan medoxomil, amlodipine, hydrochlorothiazide tablets?**

- Store olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets at 20° to 25°C (68° to 77°F).

- **Keep olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets and all medicines out of the reach of children.**

**General Information about olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets**

Medicines are sometimes prescribed for purposes other than those listed in a patient information leaflet. Do not use olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets for a condition for which it was not prescribed. Do not give olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets to other people, even if they have the same symptoms you have. It may harm them.

This leaflet summarizes the most important information about olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets that is written for health professionals.

**What are the ingredients in olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets?**

*Active ingredients:* olmesartan medoxomil USP, amlodipine besylate USP and hydrochlorothiazide USP

*Inactive ingredients:* colloidal silicon dioxide, croscarmellose sodium, magnesium stearate, microcrystalline cellulose and pregelatinized starch. The color coating contains iron oxide black, iron oxide red, iron oxide yellow, macrogol, polyvinyl alcohol, talc and titanium dioxide.

**What is high blood pressure (hypertension)?**

Blood pressure is the force of blood in your blood vessels when your heart beats and when your heart rests. You have high blood pressure when the force is too much. High blood pressure makes the heart work harder to pump blood through the body and causes damage to blood vessels. Olmesartan medoxomil, amlodipine and hydrochlorothiazide tablets can help your blood vessels relax so your blood pressure is lower.

For more information, call Hetero Labs Limited at 1-866-495-1995.




Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854

By: **HETEROTM**

Hetero Labs Limited, Unit V, Polepally, Jadcherla,  
Mahabubnagar - 509 301, India.

Revised: 11/2025

OAH tablets 20 mg/5 mg/12.5 mg - 30s label



NDC 31722-892-30

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**20 mg/5 mg/12.5 mg**

Rx only

**30 Tablets**


Each film-coated tablet contains 20 mg olmesartan medoxomil USP, 5 mg amlodipine equivalent to 6.9 mg of amlodipine besylate USP and 12.5 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
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Piscataway, NJ 08854



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UNVARNISH AREA

2098540

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Hetero Labs Limited, Unit V, Polepally,  
Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 20 mg/5 mg/12.5 mg - 90s label



NDC 31722-892-90

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**20 mg/5 mg/12.5 mg**

Rx only

**90 Tablets**


Each film-coated tablet contains 20 mg olmesartan medoxomil USP, 5 mg amlodipine equivalent to 6.9 mg of amlodipine besylate USP and 12.5 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

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UNVARNISH AREA

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Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/5 mg/12.5 mg - 30s label



NDC 31722-893-30

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/5 mg/12.5 mg**

Rx only

**30 Tablets**


Each film-coated tablet contains 40 mg olmesartan medoxomil USP, 5 mg amlodipine equivalent to 6.9 mg of amlodipine besylate USP and 12.5 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854



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UNVARNISH AREA

2098542

Mfg. Lic. No.: 50/MN/AP/2009/F/R

Manufactured by: **HETERO™**  
Hetero Labs Limited, Unit V, Polepally,  
Jadcherla, Mahabubnagar - 509 301, India.

OAH tablets 40 mg/5 mg/12.5 mg - 90s label



NDC 31722-893-90

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/5 mg/12.5 mg**

Rx only **90 Tablets**

Each film-coated tablet contains 40 mg olmesartan medoxomil USP, 5 mg amlodipine equivalent to 6.9 mg of amlodipine besylate USP and 12.5 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
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Piscataway, NJ 08854




UNVARNISH AREA

2098543

Manufactured by: **HETERO™**  
Hetero Labs Limited, Unit V, Polepally,  
Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/5 mg/25 mg - 30s label



NDC 31722-894-30

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/5 mg/25 mg**

Rx only **30 Tablets**


Each film-coated tablet contains 40 mg olmesartan medoxomil USP, 5 mg amlodipine equivalent to 6.9 mg of amlodipine besylate USP and 25 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854




UNVARNISH AREA

2098546

Manufactured by: **HETERO™**  
Hetero Labs Limited, Unit V, Polepally,  
Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/5 mg/25 mg - 90s label



NDC 31722-894-90

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/5 mg/25 mg**

Rx only **90 Tablets**


Each film-coated tablet contains 40 mg olmesartan medoxomil USP, 5 mg amlodipine equivalent to 6.9 mg of amlodipine besylate USP and 25 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854




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Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/10 mg/12.5 mg - 30s label



NDC 31722-895-30

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/10 mg/12.5 mg**

Rx only

**30 Tablets**


Each film-coated tablet contains 40 mg olmesartan medoxomil USP; 10 mg amlodipine equivalent to 13.9 mg of amlodipine besylate USP and 12.5 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
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Piscataway, NJ 08854



3 1 7 2 2 1 8 9 5 3 0

UNVARNISH AREA

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Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/10 mg/12.5 mg -90s label



NDC 31722-895-90

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Amlodipine and  
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Store at 20° to 25°C (68° to 77°F) [see USP Controlled Room Temperature].

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
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Piscataway, NJ 08854



3 1 7 2 2 1 8 9 5 9 0


UNVARNISH AREA

2098545

Manufactured by: **HETERO™**  
Hetero Labs Limited, Unit V, Polepally,  
Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/10 mg/25 mg - 30s label



NDC 31722-896-30

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/10 mg/25 mg**

Rx only

**30 Tablets**


Each film-coated tablet contains 40 mg olmesartan medoxomil USP; 10 mg amlodipine equivalent to 13.9 mg of amlodipine besylate USP and 25 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

**U.S. Contact Number: 1-866-495-1995**

Manufactured for:  
Camber Pharmaceuticals, Inc.  
Piscataway, NJ 08854



3 1 7 2 2 1 8 9 6 3 0

UNVARNISH AREA

2098549

Manufactured by: **HETERO™**  
Hetero Labs Limited, Unit V, Polepally,  
Jadcherla, Mahabubnagar - 509 301, India.

Mfg. Lic. No.: 50/MN/AP/2009/F/R

OAH tablets 40 mg/10 mg/25 mg - 90s label





NDC 31722-896-90

**Olmesartan medoxomil,  
Amlodipine and  
Hydrochlorothiazide Tablets**

**40 mg/10 mg/25 mg**

Rx only

**90 Tablets**

Each film-coated tablet contains 40 mg olmesartan medoxomil USP, 10 mg amlodipine equivalent to 13.9 mg of amlodipine besylate USP and 25 mg hydrochlorothiazide USP.

**Usual Dosage:** See package insert for full prescribing information.

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

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## OLMESARTAN MEDOXOMIL, AMLODIPINE AND HYDROCHLOROTHIAZIDE

olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet, film coated

### Product Information

<b>Product Type</b>	HUMAN PRESCRIPTION DRUG	<b>Item Code (Source)</b>	NDC:31722-892
<b>Route of Administration</b>	ORAL		

### Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
<b>OLMESARTAN MEDOXOMIL</b> (UNII: 6M97XTV3HD) (OLMESARTAN - UNII:8W1IQP3U10)	OLMESARTAN MEDOXOMIL	20 mg
<b>AMLODIPINE BESYLATE</b> (UNII: 864V2Q084H) (AMLODIPINE - UNII:1J444QC288)	AMLODIPINE	5 mg
<b>HYDROCHLOROTHIAZIDE</b> (UNII: 0J48LPH2TH) (HYDROCHLOROTHIAZIDE - UNII:0J48LPH2TH)	HYDROCHLOROTHIAZIDE	12.5 mg

### Inactive Ingredients

Ingredient Name	Strength
<b>SILICON DIOXIDE</b> (UNII: ETJ7Z6XBU4)	
<b>CROSCARMELLOSE SODIUM</b> (UNII: M28OL1HH48)	
<b>MAGNESIUM STEARATE</b> (UNII: 70097M6I30)	
<b>MICROCRYSTALLINE CELLULOSE</b> (UNII: OP1R32D61U)	
<b>STARCH, CORN</b> (UNII: O8232NY35J)	
<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 YELLOW</b> (UNII: EX438O2MRT)	
<b>FERRIC OXIDE RED</b> (UNII: 1K09F3G675)	
<b>FERROSFERRIC OXIDE</b> (UNII: XM0M87F357)	
<b>MICROCRYSTALLINE CELLULOSE 102</b> (UNII: PNR0YF693Y)	

### Product Characteristics

<b>Color</b>	orange (orange-white)	<b>Score</b>	no score
<b>Shape</b>	ROUND	<b>Size</b>	8mm
<b>Flavor</b>		<b>Imprint Code</b>	H;012
<b>Contains</b>			

Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:31722-892-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
2	NDC:31722-892-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
3	NDC:31722-892-32	10 in 1 CARTON	10/06/2025	
3	NDC:31722-892-31	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
ANDA		ANDA209242	10/06/2025	

OLMESARTAN MEDOXOMIL, AMLODIPINE AND HYDROCHLOROTHIAZIDE			
olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet, film coated			
Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:31722-893
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
OLMESARTAN MEDOXOMIL (UNII: 6M97XTV3HD) (OLMESARTAN - UNII:8WLIQP3U10)		OLMESARTAN MEDOXOMIL	40 mg
AMLODIPINE BESYLATE (UNII: 864V2Q084H) (AMLODIPINE - UNII:1J444QC288)		AMLODIPINE	5 mg
HYDROCHLOROTHIAZIDE (UNII: 0J48LPH2TH) (HYDROCHLOROTHIAZIDE - UNII:0J48LPH2TH)		HYDROCHLOROTHIAZIDE	12.5 mg
Inactive Ingredients			
Ingredient Name			Strength
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)			
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)			
MAGNESIUM STEARATE (UNII: 70097M6I30)			
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)			
STARCH, CORN (UNII: O8232NY3SJ)			
POLYVINYL ALCOHOL, UNSPECIFIED (UNII: 532B59J990)			
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)			
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)			
TALC (UNII: 7SEV7J4R1U)			
FERRIC OXIDE YELLOW (UNII: EX438O2MRT)			
FERRIC OXIDE RED (UNII: 1K09F3G675)			
FERROSOFERRIC OXIDE (UNII: XM0M87F357)			
MICROCRYSTALLINE CELLULOSE 102 (UNII: PNR0YF693Y)			
Product Characteristics			
Color	yellow (Light-yellow)	Score	no score
Shape	ROUND	Size	11mm
Flavor		Imprint Code	H;013



<b>Contains</b>				
<b>Packaging</b>				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:31722-893-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
2	NDC:31722-893-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
3	NDC:31722-893-32	10 in 1 CARTON	10/06/2025	
3	NDC:31722-893-31	8 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>
ANDA		ANDA209242	10/06/2025	

## OLMESARTAN MEDOXOMIL, AMLODIPINE AND HYDROCHLOROTHIAZIDE

olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet, film coated

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:31722-894
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
OLMESARTAN MEDOXOMIL (UNII: 6M97XTV3HD) (OLMESARTAN - UNII:8W1IQP3U10)		OLMESARTAN MEDOXOMIL	40 mg
AMLODIPINE BESYLATE (UNII: 864V2Q084H) (AMLODIPINE - UNII:1J444QC288)		AMLODIPINE	5 mg
HYDROCHLOROTHIAZIDE (UNII: 0J48LPH2TH) (HYDROCHLOROTHIAZIDE - UNII:0J48LPH2TH)		HYDROCHLOROTHIAZIDE	25 mg
Inactive Ingredients			
Ingredient Name			Strength
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)			
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)			
MAGNESIUM STEARATE (UNII: 70097M6I30)			
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)			
STARCH, CORN (UNII: O8232NY35J)			
POLYVINYL ALCOHOL, UNSPECIFIED (UNII: 532B59J990)			
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)			
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)			
TALC (UNII: 7SEV7J4R1U)			
FERRIC OXIDE YELLOW (UNII: EX438O2MRT)			
FERRIC OXIDE RED (UNII: 1K09F3G675)			
FERROSFERRIC OXIDE (UNII: XM0M87F357)			
MICROCRYSTALLINE CELLULOSE 102 (UNII: PNR0YF693Y)			
Product Characteristics			
Color	yellow (Light-yellow)	Score	no score

Shape	OVAL	Size	15mm	
Flavor		Imprint Code	H;O14	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:31722-894-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
2	NDC:31722-894-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
3	NDC:31722-894-32	10 in 1 CARTON	10/06/2025	
3	NDC:31722-894-31	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
ANDA	ANDA209242		10/06/2025	

## OLMESARTAN MEDOXOMIL, AMLODIPINE AND HYDROCHLOROTHIAZIDE

olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet, film coated

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:31722-895
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
OLMESARTAN MEDOXOMIL (UNII: 6M97XTV3HD) (OLMESARTAN - UNII:8W1IQP3U10)		OLMESARTAN MEDOXOMIL	40 mg
AMLODIPINE BESYLATE (UNII: 864V2Q084H) (AMLODIPINE - UNII:1J444QC288)		AMLODIPINE	10 mg
HYDROCHLOROTHIAZIDE (UNII: 0J48LPH2TH) (HYDROCHLOROTHIAZIDE - UNII:0J48LPH2TH)		HYDROCHLOROTHIAZIDE	12.5 mg
Inactive Ingredients			
Ingredient Name			Strength
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)			
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)			
MAGNESIUM STEARATE (UNII: 70097M6I30)			
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)			
STARCH, CORN (UNII: O8232NY3SJ)			
POLYVINYL ALCOHOL, UNSPECIFIED (UNII: 532B59J990)			
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)			
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)			
TALC (UNII: 7SEV7J4R1U)			
FERRIC OXIDE YELLOW (UNII: EX438O2MRT)			
FERRIC OXIDE RED (UNII: 1K09F3G675)			
FERROSO FERRIC OXIDE (UNII: XM0M87F357)			
MICROCRYSTALLINE CELLULOSE 102 (UNII: PNR0YF693Y)			

Product Characteristics				
Color		red (Grayish red)	Score	no score
Shape		ROUND	Size	11mm
Flavor			Imprint Code	H;O15
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:31722-895-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
2	NDC:31722-895-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
3	NDC:31722-895-32	10 in 1 CARTON	10/06/2025	
3	NDC:31722-895-31	8 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
ANDA		ANDA209242	10/06/2025	

## OLMESARTAN MEDOXOMIL, AMLODIPINE AND HYDROCHLOROTHIAZIDE

olmesartan medoxomil, amlodipine and hydrochlorothiazide tablet, film coated

Product Information			
Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:31722-896
Route of Administration	ORAL		
Active Ingredient/Active Moiety			
Ingredient Name		Basis of Strength	Strength
OLMESARTAN MEDOXOMIL (UNII: 6M97XTV3HD) (OLMESARTAN - UNII:8W1IQP3U10)		OLMESARTAN MEDOXOMIL	40 mg
AMLODIPINE BESYLATE (UNII: 864V2Q084H) (AMLODIPINE - UNII:1J444QC288)		AMLODIPINE	10 mg
HYDROCHLOROTHIAZIDE (UNII: 0J48LPH2TH) (HYDROCHLOROTHIAZIDE - UNII:0J48LPH2TH)		HYDROCHLOROTHIAZIDE	25 mg
Inactive Ingredients			
Ingredient Name			Strength
SILICON DIOXIDE (UNII: ETJ7Z6XBU4)			
CROSCARMELLOSE SODIUM (UNII: M28OL1HH48)			
MAGNESIUM STEARATE (UNII: 70097M6I30)			
MICROCRYSTALLINE CELLULOSE (UNII: OP1R32D61U)			
STARCH, CORN (UNII: O8232NY35J)			
POLYVINYL ALCOHOL, UNSPECIFIED (UNII: 532B59J990)			
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)			
POLYETHYLENE GLYCOL 3350 (UNII: G2M7P15E5P)			
TALC (UNII: 7SEV7J4R1U)			
FERRIC OXIDE YELLOW (UNII: EX438O2MRT)			
FERRIC OXIDE RED (UNII: 1K09F3G675)			
FERROSO FERRIC OXIDE (UNII: XM0M87F357)			

MICROCRYSTALLINE CELLULOSE 102 (UNII: PNR0YF693Y)				
Product Characteristics				
Color	red (Grayish red)	Score	no score	
Shape	OVAL	Size	15mm	
Flavor		Imprint Code	H;O16	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:31722-896-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
2	NDC:31722-896-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	10/06/2025	
3	NDC:31722-896-32	10 in 1 CARTON	10/06/2025	
3	NDC:31722-896-31	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
ANDA		ANDA209242	10/06/2025	

**Labeler -** Camber Pharmaceuticals, Inc. (826774775)

<b>Establishment</b>			
<b>Name</b>	<b>Address</b>	<b>ID/FEI</b>	<b>Business Operations</b>
Hetero Labs Limited Unit V		650452530	manufacture(31722-892, 31722-893, 31722-894, 31722-895, 31722-896)