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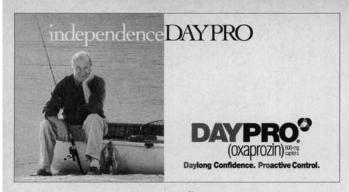


DAYPRO is indicated for the treatment of the signs and symptoms of OA and RA.

\*Usual adult dosage is 1200 mg (two 600-mg caplets) once a day. For osteoarthritis patients of low body weight or with milder disease, an initial dosage of one 600-mg caplet once a day, or an optional one-time loading dose of 1200 mg, may be appropriate. Dosage should be individualized to the lowest effective dose; the maximum recommended total daily dosage is 1800 mg or 26 mg/kg, whichever is *lower*, in divided doses.

Contraindicated in patients with hypersensitivity to DAYPRO or in individuals with nasal polyps, angioedema, or bronchospastic reactivity to aspirin or other NSAIDs. Severe and occasionally fatal asthmatic and anaphylactic reactions to NSAIDs have been reported; there have been rare reports of anaphylaxis with DAYPRO. As with other NSAIDs, the most frequently reported adverse reactions were related to the GI tract. In patients treated chronically with NSAID therapy, serious GI toxicity, such as bleeding, ulceration, and perforation, can occur. Severe renal and hepatic reactions have been reported. There may be a risk of fatal hepatitis with oxaprozin, such as has been seen with other NSAIDs.

Please see brief summary of prescribing information on adjacent page.



BRIEF SUMMARY – DAYPRO<sup>©</sup> (oxaprozin) 600-mg caplets Before prescribing please see full prescribing information.

INDICATIONS AND USAGE: Daypro is indicated for the treatment of the signs and symptoms of OA and RA.

CONTRAINDICATIONS: Hypersensitivity to oxaprozin or any of its components or in individuals with the complete or partial syndrome of nasal polyps, angioedema, and bronchospastic reactivity to aspirin or other nonsteroidal anti-inflammatory drugs (NSAIDs). Severe and occasionally fatal asthmatic and anaphylactic reactions have been reported in patients receiving NSAIDs, and there have been rare reports of anaphylaxis in patients taking oxaprozin.

WARNINGS: RISK OF GASTROINTESTINAL (GI) ULCERATION, BLEEDING, AND PERFO-RATION WITH NONSTEROIDAL ANTI-INFLAMMATORY DRUG THERAPY. Serious gastrointestinal toxicity, such as bleeding, ulceration, and perforation, can occur at any time, with or without warning symptoms, in patients treated with NSAIDs. Although minor upper gastrointestinal problems, such as dyspepsia, are common, and usually develop early in therapy, physicians should remain alert for ulceration and bleeding in patients treated chronically with NSAIDs, even in the absence of previous GI tract symptoms. In patients observed in clinical trials for several months to 2 years, symptomatic upper GI ulcers, gross bleeding, or perforation appear to occur in approximately 1% of patients treated for 3 to 6 months, and in about 2% to 4% of patients treated for 1 year. Physicians should inform patients about the signs and/or symptoms of serious GI toxicity and what steps to take if they occur. Patients at risk for developing peptic ulceration and bleeding are those with a prior history of serious GI events, alcoholism, smoking, or other factors known to be associated with peptic ulcer disease. Elderly or debilitated patients seem to tolerate ulceration or bleeding less well than other individuals, and most spontaneous exports of fatal GI events are in these populations. Studies to date are inconclusive concerning the relative risk of various NSAIDs in causing such reactions. High doses of any NSAID probably carry a greater risk of these reactions, and substantial benefit should be anticipated to patients prior to prescribing maximal doses of Dayro.

PRECAUTIONS: General: Hepatic effects: As with other NSAIDs, borderline elevations of one or more liver tests may occur in up to 15% of patients. These abnormalities may one or more liver tests may occur in up to 15% of patients. These abnormalities may progress, remain essentially unchanged, or resolve with continued therapy. The SGPT (ALT) test is probably the most sensitive indicator of liver dysfunction. Meaningful (3 times the upper limit of normal) elevations of SGOT (AST) occurred in controlled clinical trials of Daypro in just under 1% of patients. A patient with symptoms and/or signs suggesting liver dysfunction or in whom an abnormal liver test has occurred should be evaluated for evidence of the development of more severe hepatic reaction while on therapy with this drug. Severe hepatic reactions including jaundice have been reported with Daypro, and there may be a risk of fatal hepatitis with oxaprozin, such as has been seen with other NSAIDs. Although such reactions are rare, if abnormal liver tests persist or worsen, clincal signs and symptoms consistent with liver disease develop, or systemic manifestations occur (eosinophilia, rash, fever), Daypro should be discontinued. Well-compensated occur (eosinophilia, rash, rever), Daypro shourd be discontinued, wein-compensated hepatic cirrhosis does not appear to alter the disposition of unbound oxaprozin, so dosage adjustment is not necessary. However, the primary route of elimination of oxaprozin is hepatic metabolism, so caution should be observed in patients with severe hepatic dys function. **Renal effects:** Acute interstitial nephritis, hematuria, and proteinuria have been reported with Daypro as with other NSAIDs. Long-term administration of some NSAIDs. to animals has resulted in renal papillary necrosis and other abnormal renal pathology. This was not observed with oxaprozin, but the clinical significance of this difference is unknown. A second form of renal toxicity has been seen in patients with preexisting con-ditions leading to a reduction in renal blood flow, where the renal prostaglandins have a ditions leading to a reduction in renal blood flow, where the renal prostaglandins have a supportive role in the maintenance of renal perfusion. In these patients administration of an NSAID may cause a dose-dependent reduction in prostaglandin formation and may precipitate overt renal decompensation. Patients at greatest risk of this reaction are those with previously impaired renal function, heart failure, or liver dysfunction, those taking diuretics, and the elderly. Discontinuation of NSAID therapy is often followed by recov-ery to the pretreatment state. Those patients at high risk who chronically take oxaprozin should have renal function, heart failure, or loss of appetite. As with all NSAID therapy, patients may occasionally develop some elevation of serum creatinine and BUN levels without any signs or symptoms. The pharmacokinetics of oxaprozin may be sig-nificantly altered in patients with renal insufficiency or in patients may occasionally develop some elevation of serum creatinine and BUN levels without any signs or symptoms. The pharmacokinetics of oxaprozin may be sig-nificantly altered in patients with renal insufficiency or in patients who are undergoing hemodialysis. Such patients should be started on doses of 600 mg/day, with cautious dosage increases if the desired effect is not obtained. Oxaprozin is not dialyzed because of its high degree of protein binding. Like other NSAIDS, Davpro may worsen fluid reten-tion by the kidneys in patients with uncompensated cardiac failure due to its effect on prostaglandins. It should be used with caution in patients with a history of hypertension, cardiac decompensation, in patients on chronic diuretic therapy, or in those with other cardiac decompensation, in patients on chronic diuretic therapy, or in those with other conditions predisposing to fluid retention. *Photosensitivity*: Oxaprozin has been associated with rash and/or mild photosensitivity in dermatologic testing. An increased inci-dence of rash on sun-exposed skin was seen in some patients in the clinical trials. **Recom-mended laboratory testing:** Because serious GI tract ulceration and bleeding can occur without warning symptoms, physicians should follow chronically treated patients for the signs and symptoms of ulceration and bleeding and should inform them of the imporsigns and symptoms of ulceration and bleeding and should inform them of the impor-tance of this follow-up (see Warnings). Anemia may occur in patients receiving oxapro-zin or other NSAIDs. This may be due to fluid retention, gastrointestinal blood loss, or an incompletely described effect upon erythrogenesis. Patients on long-term treatment with Daypro should have their hemoglobin or hematocrit values determined at appropriate intervals as determined by the clinical situation. Oxaprozin, like other NSAIDs, can affect platelet aggregation and prolong bleeding time. Daypro should be used with caution in patients with underlying hemostatic defects or in those who are undergoing surgical pro-cedures where a high degree of hemostasis is needed. Information for patients: Daypro, like other drugs of its class, nonsteroidal anti-inflammatory drugs (NSAIDs), is not free of side effects. The side effects of these drugs can cause discomfort and, rarely, serious side like other drugs of its class, nonsteroidal anti-inflammatory drugs (NSAIUs), is not free of side effects. The side effects of these drugs can cause discomfort and, rarely, serious side effects, such as gastrointestinal bleeding, which may result in hospitalization and even fatal outcomes. NSAIDs are often essential agents in the management of arthritis, but they may also be commonly employed for conditions that are less serious. Physicians may wish to discuss with their patients the potential risks (see *Warnings, Precautions,* and *Adverse Reactions*) and likely benefits of Daypro treatment, particularly in less-serious conditions where treatment without Daypro may represent an acceptable alternative to both the patient and the physician. Patients receiving Daypro may benefit from physician instruction in the symptoms of the more common or serious gastrointestinal, renal, DAYPRO (oxaprozin) 600-mg caplets

hepatic, hematologic, and dermatologic adverse effects. Laboratory test interactions: Faise-positive urine immunoassay screening tests for benzodiazepines have been reported in patients taking Daypro. This is due to lack of specificity of the screening tests. Faisepositive test results may be expected for several days following discontinuation of Daypro therapy. Confirmatory tests, such as gas chromatographylmass spectrometry, will distinguish Daypro from benzodiazepines. **Drug interactions**: <u>Aspirini</u>; Concomitant administration of Daypro and aspirin is not recommended because exaprozin displaces salicylate strokicity. <u>Oral anticoagulants</u>: The anticoagulant effects of warfarin were not affected by the coadministration of 1200 mg/day of Daypro. Nevertheless, caution should be exercised when adding any drug that affects platelet function to the regimen of patients receiving oral anticoagulants. <u>Hz-receptor antagonists</u>: The total body clearance of camprozin was reduced by 20% in subjects who concurrently received theraputic doses of cimetidine or ranitdine; no other pharmacokinetic parameter was affected. A change of clearance of this magnitude lies within the range of normal variation and is unlikely to produce a clinically detectable difference in the outcome of therapy. <u>Bata-blockers</u>: Subjects receiving 1200 mg Daypro qd with 100 mg metoprolol bid exhibtied statistically significant barges in pharmacokinetic parameters in single- and/or multiple-dose studies. The interaction of oxaprozin with lithium and cardiac glycosides has not been studied. <u>Carcinogenesis</u>, **imatigement of fertility**: In oncogenicity studies, oxaprozin administration for 2 years was associated with the exacerbation of liver neoplasms (hepatic adhormas and carcinomas) in male CD mice, but not in fernale CD mice or rats. The significance of this species-specific finding to man is unknown. Nzanoriz din do tidsipa ymutagenic potential. Results from the Ames test, forward mutation in vesat and Chinese hamst

ADVERSE REACTIONS: The most frequently reported adverse reactions were related to the gastrointestinal tract. They were nausea (8%) and dyspepsia (8%). INCIDENCE GREATER THAN 1%: In clinical trials the following adverse reactions occurred at an incidence greater than 1% and are probably related to treatment. Reactions occurring in 9% to 9% of patients treated with Daypro are indicated by an asterisk(\*); those reactions occurring in 18% and are probably related to treatment. Reactions occurring in 2%, to 9% of patients treated with Daypro are indicated by an asterisk(\*); those reactions occurring in less than 3% of patients are unmarked. Abdominal pain/distress, anorexia, constipation\*, diarthea\*, dyspepsia\*, flatulence, nausea\*, vomiting, CNS inhibition (depression, sedation, somnolence, or confusion), disturbance of sleep, rash\*, tinnitus, dysuria or frequency. INCIDENCE LESS THAN 1%: Probable causal relationship: The following adverse reactions were reported in clinical trials or from worldwide marketing experience at an incidence of less than 1%. Those reactions reported only from worldwide marketing experience are in *italics*. The probability of a causal relationship exists between the drug and these adverse reactions: Drug hypersensitivity reactions including anaphylaxis and serum sickness, edema, blood pressure changes, peptic ulceration and/or GI bleeding (see Warnings), liver function abnormalities including hepatific (see Precautions), lever function abnormalities, anemia, thrombocytopenia, leukopenia, ecchymoses, agranulocytosis, pancytopenia, weight gain, weight loss, weakness, malaise, symptoms of upper respiratory tract infection, puritus, urticaria, photosensitivity, pseudoporthyria, exfoliative dermatific, erythema multiforme, Stevens-Johnson syndrome, toxic epidermal necrolysis (Lyell's syndrome), blurred vision, conjunctivitis, acute interstial nephritis, hematuria, renal insufficiency, acute real failure, decreased menstrual flow. Causal relationship unknown: The following adverse reactions o

DRUG ABUSE AND DEPENDENCE: Daypro is a non-narcotic drug. Usually reliable animal studies have indicated that Daypro has no known addiction potential in humans.

OVERDOSAGE: No patient experienced either an accidental or intentional overdosage of Daypro in the clinical trials of the drug. Symptoms following acute overdosage of Daypro in the clinical trials of the drug. Symptoms following acute overdosage of have occurred following NSAID overdose. Hypertension, acute renal failure, and respiratory depression are rare. Patients should be managed by symptomatic and supportive care following an NSAID overdose. There are no specific antidotes. Gut decontamination may be indicated in patients seen within 4 hours of ingestion with symptoms or following a large overdose (5 to 10 times the usual dose). This should be accomplished via emesis and/or activated charcoal (60 to 100 g in adults, 1 to 2 g/kg in children) with an osmotic cathartic. Forced diuresis, alkalization of the urine, or hemoperfusion would probably not be useful due to the high degree of protein binding of oxaprozin. See package insert for complete prescribing information.

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Family medicine is a specialty that seeks to incorporate the role of family in its practice. Here is an excellent model to see whether using the family as the unit of intervention makes a difference in the outcome of our patients with regard to CHD risk factors. Coronary heart disease is the No. 1 killer in the United States and Canada and truly is a familial disease. Isn't it appropriate that family physicians focus on the prevention of CHD through a family-centered approach and perform research to demonstrate that this approach has benefit?

> Charles B. Eaton, MD Memorial Hospital of Rhode Island Pawtucket

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(	Cardizem CD
	Start with one
	180-mg
	capsule daily

### No other diltiazem is therapeutically equivalent

Brief Summary of Prescribing Information as of December 1995A CARDIZEM® CD (diltiazem HCI)

#### CONTRAINDICATIONS

CONTRAINDICATIONS CARDIZEM is contraindicated in (1) patients with sick sinus syndrome except in the presence of a functioning ventricular pacemaker, (2) patients with second- or third-degree AV block except in the presence of a functioning ventricular pacemaker, (3) patients with hypotension (less than 90 mm Hg systolic), (4) patients who have demonstrated hypersensitivity to the drug, and (5) patients with acute myocardial infarction and pulmonary congestion documented by x-ray on admission.

#### WARNINGS

- WARININGS 1. Cardiac Conduction. CARDIZEM prolongs AV node refractory periods without significantly prolonging sinus node recovery time, except in patients with sick sinus syndrome. This effect may rarely result in abnormally slow heart rates (particularly in patients with sick sinus syndrome) or second- or third-degree AV block (13 of 3290 patients or 0.40%). Concomitant use of dilitazem with beta-blockers or digitalis may result in additive effects on cardiac conduction. A patient with Prinzmetal's angina devel-oped periods of asystel (21 of 5 seconds) after a single dose of 60 mg of dilitazem. (See ADVERSE REACTIONS section.)
- REACTIONS section.)
  2. Congestive Heart Failure. Although diitiazem has a negative inotropic effect in isolated animal tissue preparations, hemodynamic studies in humans with normal ventricular function have not shown a reduction in cardiac index nor consistent negative effects on contractility (dp/dt). An acute study of oral dilitzarem in patients with impaired ventricular function (ejeciton fraction 24% ± 6%) showed improvement in indices of ventricular function without significant decrease in contractile function (dp/dt). Worsening of congestive heart failure has been reported in patients with preexisting impairment of ventricular function. Experience with the use of CARDIZEM (dilitazem hydrochloride) in combination with beta-blockers in patients with impaired ventricular function is limited. Caution should be exercised when using this combination.
  3. Hypotension. Decreases in blood pressure associated with CARDIZEM therapy may occasionally result in symptomatic throotension.
- Hypotension. Decreases in blood pressure associated with CAKUIZEM therapy may occasionally result in symptomatic hypotension.
   Acute Hepatic Injury. Mild elevations of transaminases with and without concomitant elevation in alkaline phosphatase and bilirubin have been observed in clinical studies. Such elevations were usually transient and frequently resolved even with continued dilfuzer treatment. In rare instances, signifi-cant elevations in enzymes such as alkaline phosphatase. LDH, SGOT, SGPT, and other phenomena consistent with acute hepatic injury have been noted. These reactions tended to occur early after therapy initiation (1 to 8 weeks) and have been reversible upon discontinuation of drug therapy. The relationship to CARDIZEM is uncertain in some cases, but probable in some. (See PRECAUTIONS.)

#### PRECAUTIONS

General CARDIZEM (diltiazem hydrochloride) is extensively metabolized by the liver and excreted by the kidneys CARDIZEM (diltizarm hydrochloride) is extensively metabolized by the liver and excreted by the kidneys and in bile. As with any drug given over prolonged periods, laboratory parameters of renal and hepatic function should be monitored at regular intervals. The drug should be used with caution in patients with impaired renal or hepatic function. In subacute and chronic dog and rat studies designed to produce toxicity, high doses of diltazem were associated with hepatic damage. In special subacute hepatic studies, oral doses of 125 mg/kg and higher in rats were associated with histological changes in the liver which were reversible when the drug was discontinued. In dogs, closes of 20 mg/kg were also associated with hepatic changes; however, these changes were reversible with continued dosing. Dermatological events (see ADVERSE REACTIONS section) may be transient and may disappear despite continued use of CARDIZEM. However, skin eruptions progressing to erythema multiforme and/or exfoliative dermatitis have also been infrequently reported. Should a dermatologic reaction persist, the drug should be discontinued.

drug should be discontinued.

continued use of CARDIZEM. However, skin eruptions progressing to erythema multiforme and/or exclolative dermatitis have also been infrequently reported. Should a dermatologic reaction persist, the exclolative dermatitis have also been infrequently reported. Should a dermatologic reaction persist, the granulation of the potential for additive effects, caution and careful titration are warranted in patients receiving CARDIZEM concomitantly with other agents known to affect cardiac contractility and/or conduction. (See WARNINGS, Pharmacologic studies indicate that three may be additive effects in protonging AV conduction when using beta-blockers or digitalis concomitantly with CARDIZEM. (See WARNINGS, Pharmacologic studies indicate that three may be additive effects in protonging AV conduction when using beta-blockers or digitalis concomitantly with CARDIZEM (See WARNINGS, Pharmacologies, Setting) in patients with renal and/or hepatic impairment, dosages of sindigrees biotransformation by cytochrome P-450 mixed function oxidase. Coadministration of CARDIZEM with other agents which follow the same route of biotransformation may result in the competitive inhibition of metabolized drugs, particularly those of low therapeutic ratio, may require adjustment when staring or stopping concomitantly administered drugs and concomitantly administered biotransformation of CARDIZEM of the effects of concomitant reatment in patients with left available data are not sufficient to predict the effects of concomitant treatment in patients with left available data are not sufficient to predict the effects of concomitant treatment in patients with effect and incontrol with propranolol was are sufficient to reade the organized or withdrawn in conjunction with propranolol may result for an exage of granulating the effect of a single dose of dittazem dorm a significant increase in pages. Here adjustment the patients with effect out on the single dose of dittazem do may a significant increase in digoxin levels in 12 whele co

Carbamazepine. Concomitant administration of ditiazem with carbamazepine has been reported to result in elevated serum levels of carbamazepine (40% to 72% increase), resulting in toxicity in some cases Patients receiving these drugs concurrently should be monitored for a potential drug interaction.

Carcinogenesis. <u>Mulacenesis. Impairment of Fertility</u> A 24-month study in rats at oral dosage levels of up to 100 mg/kg/day and a 21-month study in mice at oral dosage levels of up to 30 mg/kg/day showed no evidence of carcinogenicity. There was also no mutagenic response in vitro or in vivo in mammalian cell assays or in vitro in bacteria. No evidence of impaired fertility was observed in a study performed in male and female rats at oral dosages of up to 100 mg/kg/day.

was observed in a study performed in male and remaie rats at oral dosages or up to 1000 mg/kg/day. **Pregnancy** Category C. Reproduction studies have been conducted in mice, rats, and rabbits. Administration of dose has resulted in embryo and fetal lethality. These doses, in some studies, have been reported to cause skeletal abnormalities. In the perinatal/postnatal studies, there was an increased incidence of still-births at dose of 20 times the human dose or greater. There are no well-controlled studies in pregnant women; therefore, use CARDIZEM in pregnant women only if the potential benefit justifies the potential risk to the fetus. **Nursion Mether**.

Nursing Mothers Diltiazem is excreted in human milk. One report suggests that concentrations in breast milk may approx-imate serum levels. If use of CARDIZEM is deemed essential, an alternative method of infant feeding should be instituted.

Pediatric Use Safety and effectiveness in pediatric patients have not been established.

#### ADVERSE REACTIONS

Serious adverse reactions have been rare in studies carried out to date, but it should be recognized that patients with impaired ventricular function and cardiac conduction abnormalities have usually been excluded from these studies.

The following table presents the most common adverse reactions reported in placebo-controlled angina and hypertension trials in patients receiving CARDIZEM CD up to 360 mg with rates in placebo patients shown for comparison

#### CARDIZEM CD Caosule Placebo-Controlled Annina and Hypertension Trials Combined

Adverse Reactions	Cardizem CD (n=607)	Placebo (n=301)
Headache Dizziness Bradycardia AV Block First Degree Edema EGG Abnormality Asthenia	5.4% 3.0% 3.3% 2.6% 1.6% 1.8%	5.0% 3.0% 1.3% 0.0% 1.3% 2.3% 1.7%

In clinical trials of CARDIZEM CD capsules, CARDIZEM tablets, and CARDIZEM SR capsules involving ver 3200 patients, the most common events (ie, greater than 1%) were edema (4.6%), headache (4.6%), dizziness (3.5%), asthenia (2.6%), first-degree AV block (2.4%), bradycardia (1.7%), flushing (1.4%), nausea (1.4%), and rash (1.2%).

addition, the following events were reported infrequently (less than 1%) in angina or hypertension

Cardiovascular: Angina, arrhythmia, AV block (second- or third-degree), bundle branch block, conges-tive heart failure, ECG abnormalities, hypotension, palpitations, syncope, tachycardia, ventricular

Nervous System: Abnormal dreams, amnesia, depression, paintauous, syncope, tachycarota, veintricula extrasystoles Nervous System: Abnormal dreams, amnesia, depression, gait abnormality, hallucinations, insomnia, nervous ness, paresthesia, personality change, somnolence, tinnitus, tremor Gastrointestinal: Anorexia, constipation, diarrhea, dry mouth, dysgeusia, dyspepsia, mild elevations of SGOT, SGPT, LDH, and alkaline phosphatase (see heaptic varnings), thirst, vomiting, weight increase Dermatological: Petechiae, photosensitivity, pruritus, urticaria Other: Amblyopia, CPK increase, dyspnea, epistaxis, eye irritation, hyperglycemia, hyperuricemia, impotence, muscle cramps, nasal congestion, nocturia, ostecarticular pain, polyuria, sexual difficulties The following postmarketing events have been reported infrequently in patients receiving CARDIZEM: allergic reactions, alopeca, angioedema (including facial or perioribital edema), asystole, erythema multi-forme (including Stevens-Johnson syndrome, toxic epidermal necrolysis), extoliative dermattis, purpura, retinopathy, and thrombocytopenia. In addition, events such as myocardial infarction have been observed which are not readily distinguishable from the natural history of the disease in these patients. A number of well-documented cases of generalized rash, some characterized as leukocytoclastic vasculitis, have been reported. However, a definitive cause and effect relationship between these events and CARDIZEM therapy is yet to be established. and CARDIZEM therapy is yet to be established.

Prescribing Information as of December 1995A

Hoechst Marion Roussel, Inc. Kansas City, MO 64137 USA

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# True 24-hour control from a unique patented delivery system

- No other diltiazem is therapeutically equivalent to Cardizem CD<sup>4+</sup>
- \*Cardizem CD is a benzothiazepine calcium channel blocker.
- † In clinical trials with Cardizem CD.
- ‡ FDA does not, at this time, consider other diltiazems to be therapeutically equivalent because bioequivalence has not been demonstrated through appropriate studies.

Please see brief summary of prescribing information on adjacent page.

### FOR HYPERTENSION OR ANGINA



No other diltiazem is therapeutically equivalent4\*