

You can be assured that at AstraZeneca, patient safety is our number one priority.

AstraZeneca only brings patients new medications that are safe and effective.
And it's no different with CRESTOR® (rosuvastatin calcium).
We owe nothing less to you, our customers.

A medication can be more effective and just as safe.

It is well known that CRESTOR lowers bad cholesterol better than the leading medications in its class^{1,2}, helping millions of people reach healthy cholesterol levels. But what you may not be aware of is the extent to which we investigated the safety of CRESTOR. In order to gain FDA approval, the CRESTOR your doctor has prescribed was extensively tested and thoroughly proven with more than 12,000 patients in clinical trials. To date, more than 45,000 patients have received CRESTOR in clinical trials, including patients on continuous therapy for nearly 4 years. In addition, CRESTOR has been prescribed more than 12 million times worldwide.

The FDA has confidence in the safety and efficacy of CRESTOR.

The scientists at the FDA who are responsible for the approval and ongoing review of CRESTOR have, as recently as last Friday, publicly confirmed that CRESTOR is safe and effective; and that the concerns that have been raised have no medical or scientific basis.³

And if you want to see for yourself how the safety of CRESTOR compares, the most up-to-date scientific information about CRESTOR is fully accessible at rosuvastatininformation.com. There you will see the evidence that CRESTOR is as safe as other currently marketed statins.

At AstraZeneca, we are confident and proud of the safety and efficacy of CRESTOR.

To date, millions of patients taking CRESTOR in 52 countries are on their way to achieving their cholesterol goals, both safely and effectively.



For more information, talk to your doctor, call or log on.
1-800-236-9933 crestorfacts.com crestor.com

Important information: CRESTOR is prescribed along with diet for lowering cholesterol and is not for everyone, including people with liver disease, and women who are nursing, pregnant or may become pregnant. Tell your doctor promptly if you experience unexplained muscle pain or weakness, as they may be a sign of serious side effects. Be sure to tell your doctor about other medications you are taking. Simple blood tests are needed to check for liver problems before and 12 weeks after start of therapy or change of dose, and periodically thereafter. Side effects occur infrequently and include muscle aches, constipation, weakness, abdominal pain and nausea. They are usually mild and tend to go away. CRESTOR has not been shown to prevent heart disease or heart attacks. See adjacent page for additional important information.

1. Data on file DA-CRS-02 2. Most commonly prescribed doses based on IMS (August 2003-July 2004) 3. www.fda.gov accessed on 11/19/04

Read this summary carefully and then ask your doctor about CRESTOR. No advertisement can provide all the information needed to determine if a drug is right for you. This advertisement does not take the place of careful discussions with your doctor. Only your doctor has the training to weigh the risks and benefits of a prescription drug.

BRIEF SUMMARY: For full Prescribing Information, see package insert.

INDICATIONS AND USES: CRESTOR is indicated: 1. as an adjunct to diet to reduce elevated total-C, LDL-C, ApoB, and TG levels and to increase HDL-C in patients with primary hypercholesterolemia (familial and nonfamilial) and mixed dyslipidemia (Type IIa and Type IIb); 2. as an adjunct to diet for the treatment of patients with elevated serum TG levels (Fredrickson Type IV); 3. to reduce LDL-C, total-C, and ApoB in patients with homozygous familial hypercholesterolemia. CRESTOR is also indicated for lipid-lowering treatment (e.g., LDL apheresis) or as such treatments are unavailable.

CONTRAINDICATIONS: CRESTOR is contraindicated in patients with a known hypersensitivity to any component of this product. Rosuvastatin is contraindicated in patients with active liver disease or with unexplained persistent elevations of serum transaminases (see WARNINGS, Liver Enzymes). **Pregnancy and Lactation:** Rosuvastatin is a chronic process and therefore CRESTOR should not be used in pregnant women. It has little impact on the outcome of long-term therapy. **Warnings:** primary hypercholesterolemia. Cholesterol and other products of cholesterol biosynthesis are essential components for fetal development (including synthesis of steroids and cell membranes). Since HMG-CoA reductase inhibitors decrease cholesterol synthesis and possibly the synthesis of other biologically active substances derived from cholesterol, they may cause fetal harm when administered to pregnant women. Therefore, HMG-CoA reductase inhibitors are contraindicated during pregnancy and in nursing mothers. ROSUVASTATIN SHOULD BE ADMINISTERED TO WOMEN OF CHILD-BEARING AGE ONLY WHEN SUCH PATIENTS ARE HIGHLY UNLIKELY TO CONCEIVE AND HAVE BEEN INFORMED OF THE POTENTIAL HAZARDS. It is highly unlikely to conceive while taking this drug; therapy should be discontinued immediately and the patient apprised of the potential hazard to the fetus. **WARNINGS: Liver Enzymes:** HMG-CoA reductase inhibitors, like some other lipid-lowering therapies, have been associated with biochemical abnormalities of liver function. The incidence of persistent elevations (>3 times the upper limit of normal [ULN]) occurring on 2 or more consecutive occasions) in serum transaminase to liver dose studies was 0.4, 0.0, and 0.1% in patients who received rosuvastatin 10, 20, and 40 mg, respectively. In most cases, elevations were transient and resolved or improved on continued therapy or after a brief interruption of therapy. There were two cases of jaundice, for which a relationship to rosuvastatin therapy could not be determined, which resolved after discontinuation of therapy. There were no cases of liver failure or hepatic disease in these trials. It is recommended that liver function tests be performed before and at 12 weeks following both the initiation of therapy and any elevation of dose, and periodically (e.g., semi-annually) thereafter. Liver enzyme changes generally occur in the first 3 months of treatment with rosuvastatin. Patients who develop increased transaminase levels should be monitored until the abnormalities have resolved. Should an increase in ALT or AST of ≥3 times ULN persist, reduction of dose or withdrawal of rosuvastatin is recommended. Rosuvastatin should be used with caution in patients who consume alcoholic beverages and/or have a history of liver disease (see CLINICAL PHARMACOLOGY, Special Populations, Hepatic Insufficiency). Active liver disease or unexplained persistent transaminase elevations are contraindications to the use of rosuvastatin (see CONTRAINDICATIONS).

Myopathy/Rhabdomyolysis: Rare cases of rhabdomyolysis with acute renal failure associated with myoglobinuria have been reported with rosuvastatin and with other drugs in this class. Muscular toxicity has also been reported in rosuvastatin-treated patients (see ADVERSE REACTIONS). Creative muscle (CK) elevations >10 times upper limit of normal (normal) occurred in 0.2% to 0.4% of patients taking rosuvastatin at doses of up to 40 mg in clinical studies. Treatment-related myopathy, defined as muscle aches or muscle weakness in conjunction with increases in CK values 10 times upper limit of normal, was reported to be up to 0.1% of patients taking rosuvastatin doses of up to 40 mg in clinical studies. Rare cases of rhabdomyolysis have been seen with higher than recommended doses (80 mg) of rosuvastatin in clinical trials. Factors that may predispose patients to myopathy include CK levels occur in patients receiving rosuvastatin in combination with other lipid-lowering therapies or cyclosporine. (see CLINICAL PHARMACOLOGY, Drug Interactions, PRECAUTIONS, Drug Interactions, and DOSAGE AND ADMINISTRATION, advanced age, and hypothyroidism). 2. Patients should be advised to promptly report unexplained muscle pain, tenderness, or weakness, particularly if accompanied by malaise or fever. Rosuvastatin therapy should be discontinued if markedly elevated CK levels occur or myopathy is diagnosed or suspected. 3. The risk of myopathy during treatment with rosuvastatin may be increased with concurrent administration of other lipid-lowering therapies or cyclosporine. (see CLINICAL PHARMACOLOGY, Drug Interactions, PRECAUTIONS, Drug Interactions, and DOSAGE AND ADMINISTRATION, advanced age, and hypothyroidism). 2. Patients should be advised to promptly report unexplained muscle pain, tenderness, or weakness, particularly if accompanied by malaise or fever. Rosuvastatin therapy should be discontinued if markedly elevated CK levels occur or myopathy is diagnosed or suspected. 3. The risk of myopathy during treatment with rosuvastatin may be increased with concurrent administration of other lipid-lowering therapies or cyclosporine. (see CLINICAL PHARMACOLOGY, Drug Interactions, PRECAUTIONS, Drug Interactions, and DOSAGE AND ADMINISTRATION, advanced age, and hypothyroidism).

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erion in the dosing of rosuvastatin to patients taking concomitant cyclosporine (see WARNINGS, Myopathy/Rhabdomyolysis, and DOSAGE AND ADMINISTRATION). Warnings: Administration of rosuvastatin to patients on stable warfarin therapy resulted in clinically significant rises in INR (1.4-2.1, baseline 1.5-2.1). In patients taking concomitant anti-coagulants and rosuvastatin concomitantly, INR should be determined before starting rosuvastatin and frequently followed during early therapy to ensure that no significant alteration of INR occurs. Once a stable INR has been documented, INR can be monitored at the intervals usually recommended for patients on coumarin anticoagulants. If the dose of rosuvastatin is changed, the same procedure should be repeated. **Anti-coagulation:** Warfarin therapy has not been associated with bleeding or with changes in INR. **CNS Toxicity:** Drug-induced hallucinations have been reported in patients on concomitant anti-coagulants. **Gemfibrozil:** Gemfibrozil administration of a single rosuvastatin dose to healthy subjects resulted in a 40% increase in AUC compared to a 2.2- and 1.9-fold, respectively, increase in mean C_{max} and mean AUC of rosuvastatin (see DOSAGE AND ADMINISTRATION). **Endocrine Function:** Clinical studies have shown that rosuvastatin alone does not reduce basal plasma cortisol concentrations or impair adrenal reserve. Calcium should be exercised if any HMG-CoA reductase inhibitor that may decrease the levels or activity of endogenous steroid hormones such as testosterone, progesterone, and estradiol. **CNS Toxicity:** CNS symptoms such as characterized by peripheral neuropathy, edema, and musculoskeletal irritation of peripheral spaces, have been observed in dogs treated with several other members of the drug class. A chemically similar drug in this class produced dose-dependent optic nerve degeneration (Wallerian degeneration of retinoganglionic fibers) in dogs, at a dose that produced plasma drug levels about 30 times higher than the mean drug level in humans taking the highest recommended dose. Edema, hemorrhage, and partial necrosis in the retina of the choroid plexus was observed in a female dog sacrificed moribund at day 24 at 80 mg/kg/day by oral gavage (systemic exposure 100 times the human exposure at 40 mg/kg/day based on AUC comparisons). Corneal opacity was seen in dogs treated for 32 weeks at 6 mg/kg/day by oral gavage (systemic exposure 20 times the human exposure at 40 mg/kg/day based on AUC comparisons). Cataracts were seen in dogs treated for 12 weeks by oral gavage at 30 mg/kg/day (systemic exposure 60 times the human exposure at 40 mg/kg/day based on AUC comparisons). Retinal dystrophy and retinal loss were seen in dogs treated for 4 weeks by oral gavage at 80 mg/kg/day (systemic exposure 100 times the

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human exposure at 40 mg/kg/day by AUC). Doses ≤80 mg/kg/day (systemic exposure ≤50 times the human exposure at 40 mg/kg/day based on AUC comparison) following treatment up to one year did not reveal retinal findings. **Carotid Intima-Media Thickness (IMT):** In a 13-week, randomized, placebo-controlled study, the incidence of abnormal intima-media thickness (IMT) was significantly increased in females at 80 mg/kg/day at systemic exposure 20 times the human exposure at 40 mg/kg/day based on AUC. Increased incidence of polyps was not seen at lower doses. In a 12-week randomized study in mice given 10, 60, 200 mg/kg/day by oral gavage, an increased incidence of hepatocellular adenomas/carcinomas was observed at 40 mg/kg/day. An increased incidence of hepatocellular adenomas/carcinomas in the Ames test with Salmonella typhimurium and Escherichia coli, the mouse lymphoma assay, and the chromosomal aberration assay in Chinese hamster lung cells. Rosuvastatin was negative in the *in vivo* mouse micronucleus test. In rat fertility studies with oral gavage doses of 5, 15, 50 mg/kg/day, males were treated for 9 weeks prior to and throughout mating and females were treated 2 weeks prior to mating and throughout mating for up to 10 times human exposure at 40 mg/kg/day based on AUC comparisons. In litter sizes of dogs treated with rosuvastatin at 30 mg/kg/day for one month, spermatic gland cells were seen. Spermatic gland cells were observed in monkeys after 5-month treatment at 30 mg/kg/day in addition to vacuolization of seminiferous tubule epithelium. Exposures in the dog were 20 times and in the monkey 10 times human exposure at 40 mg/kg/day based on body surface area comparisons. Similar findings have been seen with other drugs in this class. **Pregnancy Precaution Category X:** See CONTRAINDICATIONS. Rosuvastatin may cause fetal harm when administered to a pregnant woman. Rosuvastatin is contraindicated in women who are or may become pregnant. Safety in pregnant women has not been established. There are no adequate and well-controlled studies in pregnant women. Rosuvastatin crosses the placenta and is found in fetal tissue and amniotic fluid at 3% and 20%, respectively, of the maternal plasma concentration following a single 20 mg oral gavage dose on gestation day 16 in rats. A higher fetal tissue distribution (25% maternal plasma concentration) was observed in rabbits after a single oral gavage dose of 1 mg/kg on gestation day 18. If a drug is administered to a woman with reproductive potential, the safety of use to 10 times human exposure at 40 mg/kg/day based on AUC comparisons. In rats given 5, 15, 20 mg/kg/day rosuvastatin before mating and continuing through day 2 postpartum, in preparturient rats given oral gavage doses of 2, 20, 50 mg/kg/day from gestation day 7 through lactation day 21 (weaning), decreased pup survival occurred in groups given 50 mg/kg/day, systemic exposure >2 times human exposure at 40 mg/kg/day based on body surface area comparisons. In pregnant rabbits given oral gavage doses of 0.3, 1, 2 mg/kg/day from gestation day 6 through lactation day 18 (weaning), exposures equivalent to human exposure at 40 mg/kg/day based on body surface area comparisons, decreased fetal viability and maternal mortality was observed. Fetal toxicities were not observed in rats at <25 mg/kg/day or in rabbits <3 mg/kg/day (systemic exposures equivalent to human exposure at 40 mg/kg/day based on AUC or body surface area comparison, respectively). **Nursing Mothers:** It is not known whether rosuvastatin is secreted in human milk. Studies in lactating rats have demonstrated that rosuvastatin is secreted into breast milk at levels 3 times higher than that contained in the plasma following oral gavage doses. Because many drugs are excreted in human milk and because of the potential for serious adverse reactions in nursing infants from rosuvastatin, a decision should be made whether to discontinue nursing or administration of rosuvastatin taking into account the importance of the drug to the lactating woman. **Pediatric Use:** The safety and effectiveness in pediatric patients have not been established. Treatment experience with rosuvastatin in a pediatric population is limited to patients with homocysteinemia. None of these patients were below 6 years of age. **Geriatric Use:** Of the 10,275 patients in clinical studies with rosuvastatin, 3,159 (31%) were 65 years and older, and 889 (6.9%) were 75 years and older. The overall frequency of adverse events and

types of adverse events were similar in patients below and above 65 years of age. (See WARNINGS, Myopathy/Rhabdomyolysis). The efficacy of rosuvastatin in the geriatric population (≥65 years of age) was comparable to the efficacy observed in the non-elderly. **ADVERSE REACTIONS:** Rosuvastatin is generally well tolerated. Adverse reactions have usually been mild and transient. In clinical studies of 10,275 patients, 3.7% were discontinued due to adverse experiences attributable to rosuvastatin. The most frequent adverse events thought to be related to rosuvastatin were myalgia, constipation, asthenia, abdominal pain, and nausea. **Clinical Adverse Experiences:** Adverse events thought to be related to rosuvastatin were myalgia, constipation, asthenia, abdominal pain, and nausea. **Clinical Adverse Experiences:** Adverse events thought to be related to rosuvastatin were myalgia, constipation, asthenia, abdominal pain, and nausea. In studies of up to 12 weeks duration occurred in 32% of patients in placebo-controlled clinical studies of rosuvastatin are shown in Table 1. Discontinuities due to adverse events in these studies of up to 12 weeks duration occurred in 32% of patients on rosuvastatin and 5% on placebo.

Table 1. Adverse Events in Placebo-Controlled Studies

Adverse event	Rosuvastatin N=744	Placebo N=362
Pharyngitis	3.0	2.6
Headache	2.5	5.0
Diarrhea	2.1	7.9
Dyspepsia	1.4	3.1
Nausea	3.4	3.1
Myalgia	2.6	1.3
Constipation	2.7	2.8
Back pain	2.6	2.4
Fly syndrome	2.6	1.8
Urinary tract infection	2.6	2.1
Rhinitis	2.2	1.8
Sinusitis	2.0	2.1

In addition, the following adverse events were reported, regardless of causality assessment, in ≥1% of 10,275 patients treated with rosuvastatin in clinical studies. The events in italics occurred in ≥2% of these patients. **Body as a Whole:** Abdominal pain, accidental injury, chest pain, infection, pain, pelvic pain, and neck pain. **Cardiovascular System:** Hypertension, angina pectoris, vasculopathy, peripheral edema, and angina pectoris. **Constitutional/General:** Weakness, fatigue, malaise, and dizziness. **Digestive System:** Constipation, gastroenteritis, vomiting, flatulence, periodontal abscess, and gastritis. **Endocrine:** Diabetes mellitus. **Hemic and Lymphatic System:** Anemia and erythrocytosis. **Metabolic and Nutritional Disorders:** Peripheral edema. **Musculoskeletal System:** Arthralgia, arthralgia, and pathological fracture. **Nervous System:** Cerebral ischemia, hyperkinesia, parosmia, depression, anxiety, vertigo, and neuralgia. **Respiratory System:** Sinusitis, cough, pharyngitis, dyspnea, pneumonia, and asthma. **Skin and Appendages:** Rash and pruritus. **Laboratory Abnormalities:** In the rosvastatin clinical trial program, lipoprotein-related parameters, including lipoprotein (a), lipoprotein (b), lipoprotein (a:b), and lipoprotein (b:a) were measured. Abnormalities were observed among rosuvastatin-treated patients, predominantly in patients dosed above the recommended dose range (i.e., 80 mg). However, this finding was more frequent in patients taking rosuvastatin 40 mg, when compared to lower doses of rosuvastatin or comparator studies, though it was generally transient and was not associated with worsening renal function. (see PRECAUTIONS, Laboratory Tests). Other abnormal laboratory values reported were elevated creatinine, phospholipids, transaminases, hyperglycemia, glutamyl transaminase, alkaline phosphatase, bilirubin, and thyroid function abnormalities. Other adverse events reported less frequently than 1% in the rosvastatin clinical trial program, regardless of causality assessment, included arthralgia, headache, hypokinesia, hyperkinesia, malaise, and dizziness, thrombocytopenia, leukopenia, vasculopathy, rash, urticaria, and angioedema, kidney failure, syncope, myasthenia, myositis, carpal tunnel, photosensitivity reaction, myopathy, and rhabdomyolysis. **OVERDOSAGE:** There is no specific treatment in the event of overdose. In the event of overdose, the patient should be treated symptomatically and supportive measures instituted as required. Hemodialysis does not significantly enhance clearance of rosuvastatin. **DOSE AND ADMINISTRATION:** The patient should be placed on a standard cholesterol-lowering diet before starting CRESTOR and should continue on this diet during treatment. CRESTOR may be administered as a single dose at any time of day, with or without food. **Hypercholesterolemia (Heterozygous Form) and Nonfamilial and Mixed Dyslipidemia (Fredrickson Type IIa and IIb):** The dose range for CRESTOR is 5 to 40 mg once daily. Therapy with CRESTOR should be individualized according to goal of therapy and response. The usual recommended starting dose of CRESTOR is 10 mg once daily. Initiation of therapy with 5 mg once daily may be considered for patients requiring less aggressive LDL-C reductions or who have predisposing factors for myopathy (see WARNINGS, Myopathy/Rhabdomyolysis). For patients with marked hypercholesterolemia (LDL-C > 190 mg/dL) and aggressive lipid targets, a 20-mg starting dose may be considered. The 40-mg dose of CRESTOR should be reserved for patients who have not achieved goal LDL-C at 20 mg (see WARNINGS, Myopathy/Rhabdomyolysis). After initiation and/or upon titration of CRESTOR, lipid levels should be analyzed within 2 to 4 weeks and dosage adjusted accordingly. **Homozygous Familial Hypercholesterolemia:** The recommended starting dose of CRESTOR is 20 mg once daily in patients with homozygous FH. The maximum recommended daily dose is 40 mg. CRESTOR should be used in these patients as an adjunct to other lipid-lowering therapy (e.g., LDL apheresis) or if such treatments are unavailable. **Response to Therapy:** CRESTOR may be administered as a single dose at any time of day. **Cyclosporine:** In patients taking cyclosporine, therapy should be limited to CRESTOR 5 mg once daily (see WARNINGS, Myopathy/Rhabdomyolysis, and PRECAUTIONS, Drug Interactions). **Concomitant Lipid-Lowering Therapy:** The effect of CRESTOR on LDL-C and total-C may be enhanced when used in combination with a bile acid binding resin. If CRESTOR is used in combination with gemfibrozil, the dose of CRESTOR should be limited to 10 mg once daily. **WARNINGS, Myopathy/Rhabdomyolysis, and PRECAUTIONS, Drug Interactions):** **Dosage in Patients with Severe Renal Insufficiency:** No modification of dosage is necessary for patients with mild to moderate renal insufficiency. For patients with severe renal impairment (CrCl < 30 mL/min/73 m²) not on hemodialysis, dosing of CRESTOR should be started at 5 mg once daily and not to exceed 10 mg once daily (see PRECAUTIONS, General, and CLINICAL PHARMACOLOGY, Special Populations, Renal Insufficiency).

NOTE: This summary provides important information about CRESTOR. For more information, please ask your doctor or health care professional about the full Prescribing Information and discuss it with them.

Or only
Reference: IMS National Prescription Audit (August 2004).
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