

ROSUVASTATIN CALCIUM - rosuvastatin calcium tablet, film coated

Novadoz Pharmaceuticals LLC

HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use ROSUVASTATIN TABLETS safely and effectively. See full prescribing information for ROSUVASTATIN TABLETS.

ROSUVASTATIN tablets, for oral use

Initial U.S. Approval: 2003

RECENT MAJOR CHANGES

Dosage and Administration, Use with Concomitant Therapy (2.4)	5/2020
Warning and Precautions, Skeletal Muscle Effects (5.1)	5/2020
Warning and Precautions, Immune-Mediated Necrotizing Myopathy (5.2)	9/2020

INDICATIONS AND USAGE

Rosuvastatin tablets are an HMG Co-A reductase inhibitor indicated for:

- adult patients with hypertriglyceridemia as an adjunct to diet (1.3)
- adult patients with primary dysbetalipoproteinemia (Type III hyperlipoproteinemia) as an adjunct to diet (1.4)
- adult patients with homozygous familial hypercholesterolemia (HoFH) to reduce LDL-C, total-C, and ApoB (1.5)

Limitations of use (1.8): Rosuvastatin tablets has not been studied in Fredrickson Type I and V dyslipidemias.

DOSAGE AND ADMINISTRATION

- Rosuvastatin tablets can be taken with or without food, at any time of day. (2.1)
- Dose range: 5 to 40 mg once daily. Use 40 mg dose only for patients not reaching LDL-C goal with 20 mg. (2.1)
- Adult HoFH: Starting dose 20 mg/day. (2.1)

DOSAGE FORMS AND STRENGTHS

Tablets: 5 mg, 10 mg, 20 mg, and 40 mg (3)

CONTRAINDICATIONS

- Known hypersensitivity to product components (4)
- Active liver disease, which may include unexplained persistent elevations in hepatic transaminase levels (4)
- Pregnancy (4, 8.1, 8.3)
- Lactation (4, 8.2)

WARNINGS AND PRECAUTIONS

- **Skeletal muscle effects (e.g., myopathy and rhabdomyolysis)**: Risks increase with use of 40 mg dose, advanced age (≥ 65), hypothyroidism, renal impairment, and combination use with cyclosporine, darolutamide, regorafenib, certain anti-viral medicines or their combinations. Cases of myopathy and rhabdomyolysis with acute renal failure secondary to myoglobinuria have been reported. Advise patients to promptly report to their physician unexplained and/or persistent muscle pain, tenderness, or weakness and discontinue rosuvastatin calcium tablets if signs or symptoms appear. (5.1, 7.4, 7.5, 7.7, 7.8)
- **Immune-Mediated Necrotizing Myopathy (IMNM)**: There have been rare reports of IMNM, an autoimmune myopathy, associated with statin use. IMNM is characterized by: proximal muscle weakness and elevated serum creatine kinase, which persist despite discontinuation of statin treatment; positive anti-HMG CoA reductase antibody; muscle biopsy showing necrotizing myopathy; and improvement elevations in with immunosuppressive agents. (5.2)
- **Liver enzyme abnormalities**: Persistent elevations in hepatic transaminases can occur. Perform liver enzyme tests before initiating therapy and as clinically indicated thereafter. (5.3)

ADVERSE REACTIONS

Most frequent adverse reactions (rate $\geq 2\%$) are headache, myalgia, abdominal pain, asthenia, and nausea. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Novadoz Pharmaceuticals LLC at 1-855-668-2369 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

-----DRUG INTERACTIONS-----

- **Combination of sofosbuvir/velpatasvir/voxilaprevir or ledipasvir/sofosbuvir:** Combination increases rosuvastatin exposure. Use with rosuvastatin calcium is not recommended. (2.4, 5.1, 7.3, 12.3)
- **Cyclosporine and darolutamide:** Combination increases rosuvastatin exposure. Limit rosuvastatin calcium dose to 5 mg once daily. (2.4, 5.1, 7.1, 7.4, 12.3)
- **Gemfibrozil:** Combination should be avoided. If used together, limit rosuvastatin calcium dose to 10 mg once daily. (2.4, 5.1, 7.2)
- **Atazanavir/ritonavir, lopinavir/ritonavir, simeprevir or combination of dasabuvir/ombitasvir/paritaprevir/ritonavir, elbasvir/grazoprevir, sofosbuvir/velpatasvir and glecaprevir/pibrentasvir:** Combination increases rosuvastatin exposure. Limit rosuvastatin calcium dose to 10 mg once daily. (2.4, 5.1, 7.3, 12.3)
- **Regorafenib:** Combination increases rosuvastatin exposure. Limit rosuvastatin calcium dose to 10 mg once daily. (2.4, 5.1, 7.5)
- **Coumarin anticoagulants:** Combination prolongs INR. Achieve stable INR prior to starting rosuvastatin calcium. Monitor INR frequently until stable upon initiation or alteration of rosuvastatin calcium therapy. (5.4, 7.6)
- **Concomitant lipid-lowering therapies:** Use with fibrates or lipid-modifying doses (≥ 1 g/day) of niacin increases the risk of adverse skeletal muscle effects. Caution should be used when prescribing with rosuvastatin calcium. (5.1, 7.7, 7.8)

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

- **Females of reproductive potential:** Advise females of reproductive potential to use effective contraception during treatment with rosuvastatin calcium. (8.3)
- **Severe renal impairment (not on hemodialysis):** Starting dose is 5 mg, not to exceed 10 mg. (2.5, 5.1, 8.6)
- **Asian population:** Consider 5 mg starting dose. (2.3, 8.8)

Pediatric use information for patients 7 to 17 years of age is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information. See 17 for PATIENT COUNSELING INFORMATION.

Revised: 2/2021

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FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

Pediatric use information for patients 7 to 17 years of age is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

1.3 Hypertriglyceridemia

Rosuvastatin tablets are indicated as adjunctive therapy to diet for the treatment of adult patients with hypertriglyceridemia.

1.4 Primary Dysbetalipoproteinemia (Type III Hyperlipoproteinemia)

Rosuvastatin tablets are indicated as an adjunct to diet for the treatment of adult patients with primary dysbetalipoproteinemia (Type III Hyperlipoproteinemia).

1.5 Adult Patients with Homozygous Familial Hypercholesterolemia

Rosuvastatin tablets are indicated as adjunctive therapy to other lipid-lowering treatments (e.g., LDL apheresis) or alone if such treatments are unavailable to reduce LDL-C, Total-C, and ApoB in adult patients with homozygous familial hypercholesterolemia.

1.8 Limitations of Use

Rosuvastatin tablets have not been studied in Fredrickson Type I and V dyslipidemias.

2 DOSAGE AND ADMINISTRATION

2.1 General Dosing Information

The dose range for rosuvastatin tablets in adults is 5 to 40 mg orally once daily. The usual starting dose is 10 to 20 mg once daily. The usual starting dose in adult patients with homozygous familial hypercholesterolemia is 20 mg once daily. The maximum rosuvastatin calcium tablets dose of 40 mg should be used only for those patients who have not achieved their LDL-C goal utilizing the 20 mg dose [*see Warnings and Precautions (5.1)*].

Rosuvastatin tablets can be administered as a single dose at any time of day, with or without food. The tablet should be swallowed whole.

When initiating rosuvastatin tablets therapy or switching from another HMG-CoA reductase inhibitor therapy, the appropriate rosuvastatin calcium tablets starting dose should first be utilized, and only then titrated according to the patient's response and individualized goal of therapy.

After initiation or upon titration of rosuvastatin tablets, lipid levels should be analyzed within 2 to 4 weeks and the dosage adjusted accordingly.

Pediatric use information for patients 7 to 17 years of age is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

2.3 Dosing in Asian Patients

In Asian patients, consider initiation of rosuvastatin tablets therapy with 5 mg once daily due to increased rosuvastatin plasma concentrations. The increased systemic exposure should be taken into consideration when treating Asian patients not adequately controlled at doses up to 20 mg/day [*see Use in Specific Populations (8.8) and Clinical Pharmacology (12.3)*].

2.4 Use with Concomitant Therapy

Patients taking cyclosporine and darolutamide

The dose of rosuvastatin tablets should not exceed 5 mg once daily [see *Warnings and Precautions (5.1), Drug Interactions (7.1), Drug Interactions (7.4) and Clinical Pharmacology (12.3)*].

Patients taking gemfibrozil

Avoid concomitant use of rosuvastatin tablets with gemfibrozil. If concomitant use cannot be avoided, initiate rosuvastatin calcium tablets at 5 mg once daily. The dose of rosuvastatin tablets should not exceed 10 mg once daily [see *Warnings and Precautions (5.1), Drug Interactions (7.2) and Clinical Pharmacology (12.3)*].

Patients taking regorafenib

Concomitant use of rosuvastatin tablets and regorafenib, the dose of rosuvastatin tablets should not exceed 10 mg once daily [**see *Warnings and Precautions (5.1), Drug Interactions (7.5) and Clinical Pharmacology (12.3)***].

Patients taking atazanavir and ritonavir, lopinavir and ritonavir, or simeprevir or combination of dasabuvir/ombitasvir/paritaprevir/ ritonavir,

elbasvir/grazoprevir, sofosbuvir/velpatasvir and glecaprevir/pibrentasvir
Initiate rosuvastatin tablets therapy with 5 mg once daily. The dose of rosuvastatin tablets should not exceed 10 mg once daily [**see *Warnings and Precautions (5.1), Drug Interactions (7.3) and Clinical Pharmacology (12.3)***].

2.5 Dosing in Patients with Severe Renal Impairment

For patients with severe renal impairment ($CL_{Cr} < 30$ mL/min/1.73 m²) not on hemodialysis, dosing of rosuvastatin tablets should be started at 5 mg once daily and not exceed 10 mg once daily [see *Use in Specific Populations (8.6) and Clinical Pharmacology (12.3)*].

3 DOSAGE FORMS AND STRENGTHS

5 mg: White, round shaped, biconvex, film coated tablets debossed with "R5" on one side and plain on other side.

10 mg: Pink, round shaped, biconvex, film coated tablets debossed with "R10" on one side and plain on other side.

20 mg: Pink, round shaped, biconvex, film coated tablets debossed with "R20" on one side and plain on other side.

40 mg: Pink, oval shaped, biconvex, film coated tablets debossed with "R" on one side and "40" on other side.

4 CONTRAINDICATIONS

Rosuvastatin calcium is contraindicated in the following conditions:

- Patients with a known hypersensitivity to any component of this product. Hypersensitivity reactions including rash, pruritus, urticaria, and angioedema have been reported with rosuvastatin calcium [see *Adverse Reactions (6.1)*].
- Patients with active liver disease, which may include unexplained persistent elevations of hepatic transaminase levels [see *Warnings and Precautions (5.3)*].

- Pregnancy [see *Use in Specific Populations* (8.1, 8.3)].
- Lactation. Limited data indicate that rosuvastatin calcium is present in human milk. Because statins have the potential for serious adverse reactions in nursing infants, women who require rosuvastatin calcium treatment should not breastfeed their infants [see *Use in Specific Populations* (8.2)].

5 WARNINGS AND PRECAUTIONS

5.1 Skeletal Muscle Effects

Cases of myopathy and rhabdomyolysis with acute renal failure secondary to myoglobinuria have been reported with HMG-CoA reductase inhibitors, including rosuvastatin tablets. These risks can occur at any dose level, but are increased at the highest dose (40 mg).

Rosuvastatin calcium should be prescribed with caution in patients with predisposing factors for myopathy (e.g., age \geq 65 years, inadequately treated hypothyroidism, renal impairment).

The risk of myopathy during treatment with rosuvastatin calcium may be increased with concurrent administration of gemfibrozil, some other lipid-lowering therapies (other fibrates or niacin), cyclosporine, darolutamide, regorafenib, atazanavir/ritonavir, lopinavir/ritonavir, simeprevir or combination of sofosbuvir/velpatasvir/voxilaprevir, dasabuvir/ombitasvir/paritaprevir/ritonavir, elbasvir/grazoprevir, sofosbuvir/velpatasvir, glecaprevir/pibrentasvir, all combinations with ledipasvir (including ledipasvir/sofosbuvir) [see *Dosage and Administration* (2) and *Drug Interactions* (7)]. Cases of myopathy, including rhabdomyolysis, have been reported with HMG-CoA reductase inhibitors, including rosuvastatin, coadministered with colchicine, and caution should be exercised when prescribing rosuvastatin calcium with colchicine [see *Drug Interactions* (7.9)].

Rosuvastatin calcium therapy should be discontinued if markedly elevated creatine kinase levels occur or myopathy is diagnosed or suspected. Rosuvastatin calcium therapy should also be temporarily withheld in any patient with an acute, serious condition suggestive of myopathy or predisposing to the development of renal failure secondary to rhabdomyolysis (e.g., sepsis, hypotension, dehydration, major surgery, trauma, severe metabolic, endocrine, and electrolyte disorders, or uncontrolled seizures).

All patients should be advised to promptly report to their physician unexplained muscle pain, tenderness, or weakness, particularly if accompanied by malaise or fever or if muscle signs and symptoms persist after discontinuing rosuvastatin calcium.

5.2 Immune-Mediated Necrotizing Myopathy

There have been rare reports of immune-mediated necrotizing myopathy (IMNM), an autoimmune myopathy, associated with statin use. IMNM is characterized by: proximal muscle weakness and elevated serum creatine kinase, which persist despite discontinuation of statin treatment; positive anti-HMG CoA reductase antibody; muscle biopsy showing necrotizing myopathy; and improvement with immunosuppressive agents. Additional neuromuscular and serologic testing may be necessary. Treatment

with immunosuppressive agents may be required. Consider risk of IMNM carefully prior to initiation of a different statin. If therapy is initiated with a different statin, monitor for signs and symptoms of IMNM.

5.3 Liver Enzyme Abnormalities

It is recommended that liver enzyme tests be performed before the initiation of rosuvastatin calcium, and if signs or symptoms of liver injury occur.

Increases in serum transaminases [AST (SGOT) or ALT (SGPT)] have been reported with HMG-CoA reductase inhibitors, including rosuvastatin calcium. In most cases, the elevations were transient and resolved or improved on continued therapy or after a brief interruption in therapy. There were two cases of jaundice, for which a relationship to rosuvastatin calcium therapy could not be determined, which resolved after discontinuation of therapy. There were no cases of liver failure or irreversible liver disease in these trials.

In a pooled analysis of placebo-controlled trials, increases in serum transaminases to > 3 times the upper limit of normal occurred in 1.1% of patients taking rosuvastatin calcium versus 0.5% of patients treated with placebo.

There have been rare postmarketing reports of fatal and non-fatal hepatic failure in patients taking statins, including rosuvastatin. If serious liver injury with clinical symptoms and/or hyperbilirubinemia or jaundice occurs during treatment with rosuvastatin calcium, promptly interrupt therapy. If an alternate etiology is not found, do not restart rosuvastatin calcium.

Rosuvastatin calcium should be used with caution in patients who consume substantial quantities of alcohol and/or have a history of chronic liver disease [see *Clinical Pharmacology* (12.3)]. Active liver disease, which may include unexplained persistent transaminase elevations, is a contraindication to the use of rosuvastatin calcium [see *Contraindications* (4)].

5.4 Concomitant Coumarin Anticoagulants

Caution should be exercised when anticoagulants are given in conjunction with rosuvastatin calcium because of its potentiation of the effect of coumarin-type anticoagulants in prolonging the prothrombin time/INR. In patients taking coumarin anticoagulants and rosuvastatin calcium concomitantly, INR should be determined before starting rosuvastatin calcium and frequently enough during early therapy to ensure that no significant alteration of INR occurs [see *Drug Interactions* (7.6)]

5.5 Proteinuria and Hematuria

In the rosuvastatin clinical trial program, dipstick-positive proteinuria and microscopic hematuria were observed among rosuvastatin calcium treated patients. These findings were more frequent in patients taking rosuvastatin calcium 40 mg, when compared to lower doses of rosuvastatin calcium or comparator HMG-CoA reductase inhibitors, though it was generally transient and was not associated with worsening renal function. Although the clinical significance of this finding is unknown, a dose reduction should be considered for patients on rosuvastatin calcium therapy with unexplained persistent proteinuria and/or hematuria during routine urinalysis testing.

5.6 Endocrine Effects

Increases in HbA1c and fasting serum glucose levels have been reported with HMG-CoA reductase inhibitors, including rosuvastatin calcium. Based on clinical trial data with rosuvastatin calcium, in some instances these increases may exceed the threshold for the diagnosis of diabetes mellitus [see *Adverse Reactions (6.1)*]. Although clinical studies have shown that rosuvastatin calcium alone does not reduce basal plasma cortisol concentration or impair adrenal reserve, caution should be exercised if rosuvastatin calcium is administered concomitantly with drugs that may decrease the levels or activity of endogenous steroid hormones such as ketoconazole, spironolactone, and cimetidine.

6 ADVERSE REACTIONS

The following serious adverse reactions are discussed in greater detail in other sections of the label:

- Rhabdomyolysis with myoglobinuria and acute renal failure and myopathy (including myositis) [see *Warnings and Precautions (5.1)*]
- Liver enzyme abnormalities [see *Warnings and Precautions (5.3)*]

6.1 Clinical Studies 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 clinical practice.

In the rosuvastatin calcium controlled clinical trials database (placebo or active-controlled) of 5394 patients with a mean treatment duration of 15 weeks, 1.4% of patients discontinued due to adverse reactions. The most common adverse reactions that led to treatment discontinuation were:

- myalgia
- abdominal pain
- nausea

The most commonly reported adverse reactions (incidence \geq 2%) in the rosuvastatin calcium controlled clinical trial database of 5394 patients were:

- headache
- myalgia
- abdominal pain
- asthenia
- nausea

Adverse reactions reported in \geq 2% of patients in placebo-controlled clinical studies and at a rate greater than placebo are shown in Table 1. These studies had a treatment duration of up to 12 weeks.

Table 1. Adverse Reactions¹ Reported in \geq 2% of Patients Treated with Rosuvastatin Calcium and > Placebo in Placebo-Controlled Trials (% of Patients)

Adverse Reactions	Rosuvastatin calcium 5 mg N=291	Rosuvastatin calcium 10 mg N=283	Rosuvastatin calcium 20 mg N=64	Rosuvastatin calcium 40 mg N=106	Total Rosuvastatin calcium 5 mg to 40	Placebo N=382

					mg N=744	
Headache	5.5	4.9	3.1	8.5	5.5	5
Nausea	3.8	3.5	6.3	0	3.4	3.1
Myalgia	3.1	2.1	6.3	1.9	2.8	1.3
Asthenia	2.4	3.2	4.7	0.9	2.7	2.6
Constipation	2.1	2.1	4.7	2.8	2.4	2.4

¹Adverse reactions by COSTART preferred term.

Other adverse reactions reported in clinical studies were abdominal pain, dizziness, hypersensitivity (including rash, pruritus, urticaria, and angioedema) and pancreatitis. The following laboratory abnormalities have also been reported: dipstick-positive proteinuria and microscopic hematuria [see *Warnings and Precautions (5.5)*]; elevated creatine phosphokinase, transaminases, glucose, glutamyl transpeptidase, alkaline phosphatase, and bilirubin; and thyroid function abnormalities.

In a clinical trial, involving 981 participants treated with rosuvastatin 40 mg (n=700) or placebo (n=281) with a mean treatment duration of 1.7 years, 5.6% of subjects treated with rosuvastatin calcium versus 2.8% of placebo-treated subjects discontinued due to adverse reactions. The most common adverse reactions that led to treatment discontinuation were: myalgia, hepatic enzyme increased, headache, and nausea. Adverse reactions reported in $\geq 2\%$ of patients and at a rate greater than placebo are shown in Table 2.

Table 2. Adverse Reactions ¹ Reported in $\geq 2\%$ of Patients Treated with Rosuvastatin calcium and > Placebo in a Trial (% of Patients)

Adverse Reactions	Rosuvastatin calcium 40 mg N=700	Placebo N=281
Myalgia	12.7	12.1
Arthralgia	10.1	7.1
Headache	6.4	5.3
Dizziness	4.0	2.8
Increased CPK	2.6	0.7
Abdominal pain	2.4	1.8
ALT > 3x ULN ²	2.2	0.7

¹Adverse reactions by MedDRA preferred term.

²Frequency recorded as abnormal laboratory value.

In a clinical trial, 17,802 participants were treated with rosuvastatin 20 mg (n=8901) or placebo (n=8901) for a mean duration of 2 years. A higher percentage of rosuvastatin-treated patients versus placebo-treated patients, 6.6% and 6.2%, respectively, discontinued study medication due to an adverse event, irrespective of treatment causality. Myalgia was the most common adverse reaction that led to treatment discontinuation.

There was a significantly higher frequency of diabetes mellitus reported in patients taking rosuvastatin (2.8%) versus patients taking placebo (2.3%). Mean HbA1c was significantly increased by 0.1% in rosuvastatin-treated patients compared to placebo-treated patients. The number of patients with a HbA1c > 6.5% at the end of the trial was significantly higher in rosuvastatin-treated versus placebo-treated patients [see *Warnings and Precautions (5.6)*]

Adverse reactions reported in $\geq 2\%$ of patients and at a rate greater than placebo are

shown in Table 3.

Table 3. Adverse Reactions¹ Reported in $\geq 2\%$ of Patients Treated with Rosuvastatin calcium and > Placebo in a Trial (% of Patients)

Adverse Reactions	Rosuvastatin calcium 20 mg N=8901	Placebo N=8901
Myalgia	7.6	6.6
Arthralgia	3.8	3.2
Constipation	3.3	3.0
Diabetes mellitus	2.8	2.3
Nausea	2.4	2.3

¹Treatment-emergent adverse reactions by MedDRA preferred term.

6.2 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of rosuvastatin calcium: arthralgia, fatal and non-fatal hepatic failure, hepatitis, jaundice, thrombocytopenia, depression, sleep disorders (including insomnia and nightmares), peripheral neuropathy, interstitial lung disease, and gynecomastia. 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.

There have been rare reports of immune-mediated necrotizing myopathy associated with statin use [see *Warnings and Precautions* (5.2)].

There have been rare postmarketing reports of cognitive impairment (e.g., memory loss, forgetfulness, amnesia, memory impairment, and confusion) associated with statin use. These cognitive issues have been reported for all statins. The reports are generally nonserious, and reversible upon statin discontinuation, with variable times to symptom onset (1 day to years) and symptom resolution (median of 3 weeks).

7 DRUG INTERACTIONS

7.1 Cyclosporine

Cyclosporine increased rosuvastatin exposure and may result in increased risk of myopathy. Therefore, in patients taking cyclosporine, the dose of rosuvastatin calcium should not exceed 5 mg once daily [see *Dosage and Administration* (2.4), *Warnings and Precautions* (5.1), and *Clinical Pharmacology* (12.3)].

7.2 Gemfibrozil

Gemfibrozil significantly increased rosuvastatin exposure. Due to an observed increased risk of myopathy/rhabdomyolysis, combination therapy with rosuvastatin calcium and gemfibrozil should be avoided. If used together, the dose of rosuvastatin calcium should not exceed 10 mg once daily [see *Clinical Pharmacology* (12.3)].

7.3 Anti-viral Medications

Coadministration of rosuvastatin with certain anti-viral drugs has differing effects on

rosuvastatin exposure and may increase risk of myopathy.

The combination of sofosbuvir/velpatasvir/voxilaprevir which are anti-Hepatitis C virus (anti-HCV) drugs, increases rosuvastatin exposure. Similarly, the combination of ledipasvir/sofosbuvir may significantly increase rosuvastatin exposure. For these combinations of anti-HCV drugs, concomitant use with rosuvastatin calcium is not recommended.

Simeprevir and combinations of dasabuvir/ombitasvir/paritaprevir/ritonavir, elbasvir/grazoprevir, sofosbuvir/velpatasvir and glecaprevir/pibrentasvir which are anti-HCV drugs, increase rosuvastatin exposure. Combinations of atazanavir/ritonavir and lopinavir/ritonavir, which are anti-HIV-1 drugs, increase rosuvastatin exposure [see Table 4 – Clinical Pharmacology (12.3)]. For these anti-viral drugs, the dose of rosuvastatin calcium should not exceed 10 mg once daily.

The combinations of fosamprenavir/ritonavir or tipranavir/ritonavir, which are anti-HIV-1 drugs, produce little or no change in rosuvastatin exposure. No dose adjustment is needed for concomitant use with these combinations [see Dosage and Administration (2.4), Warnings and Precautions (5.1) and Clinical Pharmacology (12.3)].

7.4 Darolutamide

Darolutamide increased rosuvastatin exposure more than 5 fold. Therefore, in patients taking darolutamide, the dose of rosuvastatin calcium should not exceed 5 mg once daily [see Dosage and Administration (2.4), Warnings and Precautions (5.1) and Clinical Pharmacology (12.3)].

7.5 Regorafenib

Regorafenib increased rosuvastatin exposure and may increase the risk of myopathy. If used together, the dose of rosuvastatin calcium should not exceed 10 mg once daily [see Dosage and Administration (2.4), Warnings and Precautions (5.1) and Clinical Pharmacology (12.3)].

7.6 Coumarin Anticoagulants

Rosuvastatin calcium significantly increased INR in patients receiving coumarin anticoagulants. Therefore, caution should be exercised when coumarin anticoagulants are given in conjunction with rosuvastatin calcium. In patients taking coumarin anticoagulants and rosuvastatin calcium concomitantly, INR should be determined before starting rosuvastatin calcium and frequently enough during early therapy to ensure that no significant alteration of INR occurs [see Warnings and Precautions (5.4) and Clinical Pharmacology (12.3)].

7.7 Niacin

The risk of skeletal muscle effects may be enhanced when rosuvastatin calcium is used in combination with lipid- modifying doses (≥ 1 g/day) of niacin; caution should be used when prescribing with rosuvastatin calcium [see Warnings and Precautions (5.1)].

7.8 Fenofibrate

When rosuvastatin calcium was coadministered with fenofibrate, no clinically significant increase in the AUC of rosuvastatin or fenofibrate was observed. Because it is known that the risk of myopathy during treatment with HMG-CoA reductase inhibitors is increased with concomitant use of fenofibrates, caution should be used when prescribing fenofibrates with rosuvastatin calcium [see Warnings and Precautions

(5.1) and Clinical Pharmacology (12.3)].

7.9 Colchicine

Cases of myopathy, including rhabdomyolysis, have been reported with HMG-CoA reductase inhibitors, including rosuvastatin, coadministered with colchicine, and caution should be exercised when prescribing rosuvastatin calcium with colchicine [see *Warnings and Precautions* (5.1)].

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

Rosuvastatin calcium is contraindicated for use in pregnant women since safety in pregnant women has not been established and there is no apparent benefit to therapy with rosuvastatin calcium during pregnancy. Because HMG-CoA reductase inhibitors decrease cholesterol synthesis and possibly the synthesis of other biologically active substances derived from cholesterol, rosuvastatin calcium may cause fetal harm when administered to pregnant women. Rosuvastatin calcium should be discontinued as soon as pregnancy is recognized [see *Contraindications* (4)] .Limited published data on the use of rosuvastatin are insufficient to determine a drug-associated risk of major congenital malformations or miscarriage. In animal reproduction studies, there were no adverse developmental effects with oral administration of rosuvastatin during organogenesis at systemic exposures equivalent to a maximum recommended human dose (MRHD) of 40 mg/day in rats or rabbits (based on AUC and body surface area, respectively). In rats and rabbits, decreased pup/fetal survival occurred at 12 times and equivalent, respectively, to the MRHD of 40 mg/day [see *Data*].

The estimated background risk of major birth defects and miscarriage for the indicated population is unknown. In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and 15-20%, respectively.

Data

Human Data

Limited published data on rosuvastatin have not shown an increased risk of major congenital malformations or miscarriage. Rare reports of congenital anomalies have been received following intrauterine exposure to other statins. In a review of approximately 100 prospectively followed pregnancies in women exposed to simvastatin or lovastatin, the incidences of congenital anomalies, spontaneous abortions, and fetal deaths/stillbirths did not exceed what would be expected in the general population. The number of cases is adequate to exclude a ≥ 3 to 4-fold increase in congenital anomalies over the background incidence. In 89% of the prospectively followed pregnancies, drug treatment was initiated prior to pregnancy and was discontinued at some point in the first trimester when pregnancy was identified.

Animal Data

Rosuvastatin crosses the placenta in rats and rabbits and is found in fetal tissue and amniotic fluid at 3% and 20%, respectively, of the maternal plasma concentration following a single 25 mg/kg 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.

Rosuvastatin administration did not indicate a teratogenic effect in rats at ≤ 25 mg/kg/day or in rabbits ≤ 3 mg/kg/day (doses equivalent to the MRHD of 40 mg/day based on AUC and body surface area, respectively).

In female rats given 5, 15 and 50 mg/kg/day before mating and continuing through to gestation day 7 resulted in decreased fetal body weight (female pups) and delayed ossification at 50 mg/kg/day (10 times the human exposure at the MRHD dose of 40 mg/day based on AUC).

In pregnant rats given 2, 10 and 50 mg/kg/day of rosuvastatin from gestation day 7 through lactation day 21 (weaning), decreased pup survival occurred at 50 mg/kg/day (dose equivalent to 12 times the MRHD of 40 mg/day based body surface area).

In pregnant rabbits given 0.3, 1, and 3 mg/kg/day of rosuvastatin from gestation day 6 to day 18, decreased fetal viability and maternal mortality was observed at 3 mg/kg/day (dose equivalent to the MRHD of 40 mg/day based on body surface area).

8.2 Lactation

Risk Summary

Rosuvastatin use is contraindicated during breastfeeding [see *Contraindications (4)*]. Limited data indicate that rosuvastatin is present in human milk. There is no available information on the effects of the drug on the breastfed infant or the effects of the drug on milk production. Because of the potential for serious adverse reactions in a breastfed infant, advise patients that breastfeeding is not recommended during treatment with rosuvastatin calcium.

8.3 Females and Males of Reproductive Potential

Contraception

Rosuvastatin calcium may cause fetal harm when administered to a pregnant woman [see *Use in Specific Populations (8.1)*]. Advise females of reproductive potential to use effective contraception during treatment with rosuvastatin calcium.

8.4 Pediatric Use

Pediatric use information for patients 7 to 17 years of age is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

8.5 Geriatric Use

Of the 10,275 patients in clinical studies with rosuvastatin calcium, 3159 (31%) were 65 years and older, and 698 (6.8%) were 75 years and older. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older individuals cannot be ruled out.

Elderly patients are at higher risk of myopathy and rosuvastatin calcium should be prescribed with caution in the elderly [see *Warnings and Precautions (5.1)* and *Clinical Pharmacology (12.3)*].

8.6 Renal Impairment

Rosuvastatin exposure is not influenced by mild to moderate renal impairment ($CL_{Cr} \geq 30$ mL/min/1.73 m²). Exposure to rosuvastatin is increased to a clinically significant extent in patients with severe renal impairment ($CL_{Cr} < 30$ mL/min/1.73 m²) who are not receiving hemodialysis and dose adjustment is required [see *Dosage and Administration (2.5)*, *Warnings and Precautions (5.1)* and *Clinical Pharmacology (12.3)*].

8.7 Hepatic Impairment

Rosuvastatin calcium is contraindicated in patients with active liver disease, which may include unexplained persistent elevations of hepatic transaminase levels. Chronic alcohol liver disease is known to increase rosuvastatin exposure; rosuvastatin calcium Should be used with caution in these patients [see *Contraindications (4)*, *Warning and Precautions (5.3)*, and *Clinical Pharmacology (12.3)*].

8.8 Asian Patients

Pharmacokinetic studies have demonstrated an approximate 2-fold increase in median exposure to rosuvastatin in Asian subjects when compared with Caucasian controls. Rosuvastatin calcium dosage should be adjusted in Asian patients [see *Dosage and Administration (2.3)* and *Clinical Pharmacology (12.3)*].

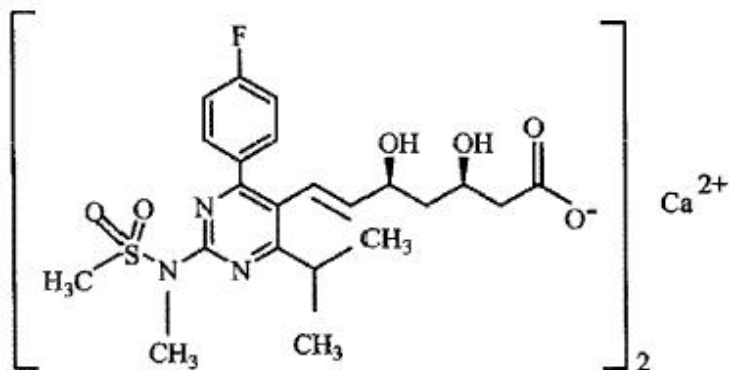
10 OVERDOSAGE

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.

11 DESCRIPTION

Rosuvastatin calcium, USP is a synthetic lipid-lowering agent for oral administration.

The chemical name for rosuvastatin calcium is bis [(E)-7-[4-(4-fluorophenyl)-6-isopropyl-2 [methyl (methylsulfonyl) amino] pyrimidin-5-yl] (3R,5S)-3, 5-dihydroxyhept-6-enoic acid] calcium salt with the following structural formula:



The molecular formula for rosuvastatin calcium, USP is $(C_{22}H_{27}FN_3O_6S)_2 Ca$ and the molecular weight is 1001.14. Rosuvastatin calcium is a white amorphous powder that is sparingly soluble in water and Methanol, and slightly soluble in ethanol. Rosuvastatin calcium is a hydrophilic compound with a partition coefficient (octanol/water) of 0.13 at pH of 7.0.

Rosuvastatin tablets, USP for oral administration contain 5, 10, 20, or 40 mg of rosuvastatin and the following inactive ingredients: Each tablet contains: crospovidone, hypromellose, lactose monohydrate magnesium stearate, mannitol, meglumine, microcrystalline cellulose, pregelatinized starch, titanium dioxide and triacetin. Additionally, 10 mg, 20 mg and 40 mg tablets contain FD&C red No. 40/allura red AC aluminum lake, FD&C blue No. 2/indigo carmine aluminum lake and FD&C yellow No.6/sunset yellow FCF aluminum lake.

Meets USP Dissolution Test 2.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Rosuvastatin is a selective and competitive inhibitor of HMG-CoA reductase, the rate-limiting enzyme that converts 3-hydroxy-3-methylglutaryl coenzyme A to mevalonate, a precursor of cholesterol. *In vivo* studies in animals, and *in vitro* studies in cultured animal and human cells have shown rosuvastatin to have a high uptake into, and selectivity for, action in the liver, the target organ for cholesterol lowering. In *in vivo* and *in vitro* studies, rosuvastatin produces its lipid-modifying effects in two ways. First, it increases the number of hepatic LDL receptors on the cell-surface to enhance uptake and catabolism of LDL. Second, rosuvastatin inhibits hepatic synthesis of VLDL, which reduces the total number of VLDL and LDL particles.

12.2 Pharmacodynamics

Rosuvastatin dose dependently reduces elevated LDL-cholesterol and reduces total cholesterol and triglycerides and increases HDL-cholesterol [see *Clinical Studies (14)*]. A therapeutic response to rosuvastatin calcium is evident within 1 week of commencing therapy and 90% of maximum response is usually achieved in 2 weeks. The maximum response is usually achieved by 4 weeks and is maintained after that. Individualization of drug dosage should be based on the therapeutic response [see *Dosage and Administration (2)*].

12.3 Pharmacokinetics

Absorption

In clinical pharmacology studies in man, peak plasma concentrations of rosuvastatin were reached 3 to 5 hours following oral dosing. Both C_{max} and AUC increased in approximate proportion to rosuvastatin calcium dose. The absolute bioavailability of rosuvastatin is approximately 20%.

Administration of rosuvastatin calcium with food did not affect the AUC of rosuvastatin. The AUC of rosuvastatin does not differ following evening or morning drug administration.

Distribution

Mean volume of distribution at steady-state of rosuvastatin is approximately 134 liters. Rosuvastatin is 88% bound to plasma proteins, mostly albumin. This binding is reversible

and independent of plasma concentrations.

Elimination

Rosuvastatin is primarily eliminated by excretion in the feces. The elimination half-life of rosuvastatin is approximately 19 hours.

Metabolism

Rosuvastatin is not extensively metabolized; approximately 10% of a radiolabeled dose is recovered as metabolite. The major metabolite is N-desmethyl rosuvastatin, which is formed principally by cytochrome P450 2C9, and *in vitro* studies have demonstrated that N-desmethyl rosuvastatin has approximately one-sixth to one-half the HMG-CoA reductase inhibitory activity of the parent compound. Overall, greater than 90% of active plasma HMG-CoA reductase inhibitory activity is accounted for by the parent compound.

Excretion

Following oral administration, rosuvastatin and its metabolites are primarily excreted in the feces (90%). After an intravenous dose, approximately 28% of total body clearance was via the renal route, and 72% by the hepatic route.

Specific Populations

Racial or Ethnic Groups

A population pharmacokinetic analysis revealed no clinically relevant differences in pharmacokinetics among Caucasian, Hispanic, and Black or Afro-Caribbean groups. However, pharmacokinetic studies, including one conducted in the US, have demonstrated an approximate 2-fold elevation in median exposure (AUC and C_{max}) in Asian subjects when compared with a Caucasian control group.

Male and Female Patients

There were no differences in plasma concentrations of rosuvastatin between men and women.

Pediatric use information for patients ages 8 to less than 10 years is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

Geriatric patients

There were no differences in plasma concentrations of rosuvastatin between the nonelderly and elderly populations (age ≥ 65 years).

Patients with Renal Impairment

Mild to moderate renal impairment ($CL_{Cr} \geq 30$ mL/min/1.73 m²) had no influence on plasma concentrations of rosuvastatin. However, plasma concentrations of rosuvastatin increased to a clinically significant extent (about 3-fold) in patients with severe renal impairment ($CL_{Cr} < 30$ mL/min/1.73 m²) not receiving hemodialysis compared with healthy subjects ($CL_{Cr} > 80$ mL/min/1.73 m²).

Hemodialysis

Steady-state plasma concentrations of rosuvastatin in patients on chronic hemodialysis were approximately 50% greater compared with healthy volunteer subjects with normal renal function.

Patients with Hepatic Impairment

In patients with chronic alcohol liver disease, plasma concentrations of rosuvastatin were modestly increased.

In patients with Child-Pugh A disease, C_{max} and AUC were increased by 60% and 5%, respectively, as compared with patients with normal liver function. In patients with Child-Pugh B disease, C_{max} and AUC were increased 100% and 21%, respectively, compared with patients with normal liver function.

Drug-Interactions Studies

Rosuvastatin clearance is not dependent on metabolism by cytochrome P450 3A4 to a clinically significant extent.

Rosuvastatin is a substrate for certain transporter proteins including the hepatic uptake transporter organic anion-transporting polyprotein 1B1 (OATP1B1) and efflux transporter breast cancer resistance protein (BCRP). Concomitant administration of rosuvastatin calcium with medications that are inhibitors of these transporter proteins (e.g. cyclosporine, certain HIV protease inhibitors) may result in increased rosuvastatin plasma concentrations [see *Dosage and Administration* (2.4) and *Drug Interactions* (7.1, 7.3)].

Table 4. Effect of Coadministered Drugs on Rosuvastatin Systemic Exposure

Coadministered drug and dosing regimen	Rosuvastatin		
		Mean Ratio (ratio with/without coadministered drug) No Effect = 1.0	
	Dose (mg) ¹	Change in AUC	Change in C _{max}
Sofosbuvir/velpatasvir/voxilaprevir (400 mg-100 mg-100 mg) + Voxilaprevir (100 mg) once daily for 15 days	10 mg single dose	7.39 ² (6.68-8.18) ³	18.88 ² (16.23-21.96) ³
Cyclosporine - stable dose required (75 mg - 200 mg BID)	10 mg QD for 10 days	7.1 ²	11 ²
Darolutamide 600 mg BID, 5 days	5 mg, single dose	5.2 ²	~5 ²
Regorafenib 160mg OD, 14 days	5 mg single dose	3.8 ²	4.6 ²
Atazanavir/ritonavir combination 300 mg/100 mg QD for 8 days	10 mg	3.1 ²	7 ²
Simeprevir 150 mg QD, 7 days	10 mg, single dose	2.8 ² (2.3 to 3.4) ³	3.2 ² (2.6 to 3.9) ³
Velpatasvir 100mg once daily	10 mg single dose	2.69 ² (2.46-2.94) ³	2.61 ² (2.32-2.92) ³
Ombitasvir 25mg/paritaprevir 150mg/ritonavir 100mg + dasabuvir 400mg BID	5mg single dose	2.59 ² (2.09-3.21) ³	7.13 ² (5.11-9.96) ³
Elbasvir 50mg/grazoprevir 200mg once daily	10mg single dose	2.26 ² (1.89-2.69) ³	5.49 ² (4.29-7.04) ³
Glecaprevir 400mg/pibrentasvir 120mg once daily	5mg once daily	2.15 ² (1.88-2.46) ³	5.62 ² (4.80-6.59) ³
Lopinavir/ritonavir combination 400 mg/100 mg BID for 17 days	20 mg QD for 7 days	2.1 ² (1.7 to 2.6) ³	5 ² (3.4 to 6.4) ³
Gemfibrozil 600 mg BID for 7 days	80 mg	1.9 ² (1.6 to 2.2) ³	2.2 ² (1.8 to 2.7) ³
Eltrombopag 75 mg QD, 5 days	10 mg	1.6 (1.4 to 1.7) ³	2 (1.8 to 2.3) ³
Darunavir 600 mg/ritonavir 100 mgBID, 7 days	10 mg QD for 7 days	1.5 (1.0 to 2.1) ³	2.4 (1.6 to 3.6) ³
Tipranavir/ritonavir combination 500 mg/200mg BID for 11 days	10 mg	1.4 (1.2 to 1.6) ³	2.2 (1.8 to 2.7) ³
Dronedarone 400 mg BID	10 mg	1.4	
	10 mg or 80 mg	1.4 (1.2 to 1.6) ³	1.4 (1.2 to 1.5) ³

Itraconazole 200 mg QD, 5 days	10 mg or 80 mg	(1.2 to 1.6) ¹ 1.3 (1.1 to 1.4) ³	(1.2 to 1.5) ¹ 1.2 (0.9 to 1.4) ³
Ezetimibe 10 mg QD, 14 days	10 mg QD for 14 days	1.2 (0.9 to 1.6) ³	1.2 (0.8 to 1.6) ³
Fosamprenavir/ritonavir 700 mg/100 mg BID for 7 days	10 mg	1.1	1.5
Fenofibrate 67 mg TID for 7 days	10 mg	↔	1.2 (1.1 to 1.3) ³
Rifampicin 450 mg QD, 7 days	20 mg	↔	
Aluminum & magnesium hydroxide combination antacid Administered simultaneously Administered 2 hours apart	40 mg 40 mg	0.5 ² (0.4 to 0.5) ³ 0.8 (0.7 to 0.9) ³	0.5 ² (0.4 to 0.6) ³ 0.8 (0.7 to 1.0) ³
Ketoconazole 200 mg BID for 7 days	80 mg	1.0 (0.8 to 1.2) ³	1.0 (0.7 to 1.3) ³
Fluconazole 200 mg QD for 11 days	80 mg	1.1 (1.0 to 1.3) ³	1.1 (0.9 to 1.4) ³
Erythromycin 500 mg QID for 7 days	80 mg	0.8 (0.7 to 0.9) ³	0.7 (0.5 to 0.9) ³

QD= Once daily, BID= Twice daily, TID= Three times daily, QID= Four times daily

¹ Single dose unless otherwise noted.

² Clinically significant [see *Dosage and Administration (2)* and *Warnings and Precautions (5)*]

³ Mean ratio with 90% CI (with/without coadministered drug, e.g., 1= no change, 0.7 = 30% decrease, 1.1=11 fold increase in exposure)

Table 5. Effect of Rosuvastatin Coadministration on Systemic Exposure to Other Drugs

Rosuvastatin Dosage Regimen	Coadministered Drug		
		Mean Ratio (ratio with/without coadministered drug) No Effect = 1.0	
	Name and Dose	Change in AUC	Change in C _{max}
40 mg QD for 10 days	Warfarin ¹ 25 mg single dose	R- Warfarin 1.0 (1.0 to 1.1) ²	R-Warfarin 1.0 (0.9 to 1.0) ²
		S-Warfarin 1.1 (1.0 to 1.1) ²	S-Warfarin 1.0 (0.9 to 1.1) ²
40 mg QD for 12 days	Digoxin 0.5 mg single dose	1.0 (0.9 to 1.2) ²	1.0 (0.9 to 1.2) ²
40 mg QD for 28 days	Oral Contraceptive (ethinyl estradiol 0.035 mg & norgestrel 0.180, 0.215 and 0.250 mg) QD for 21 Days	EE 1.3 (1.2 to 1.3) ²	EE 1.3 (1.2 to 1.3) ²
		NG 1.3 (1.3 to 1.4) ²	NG 1.2 (1.1 to 1.3) ²

EE = ethinyl estradiol, NG = norgestrel ,QD= Once daily

¹Clinically significant pharmacodynamic effects [see *Warnings and Precautions (5.4)*]

² Mean ratio with 90% CI (with/without coadministered drug, e.g., 1= no change, 0.7=30% decrease, 11=11-fold increase in exposure)

12.5 Pharmacogenomics

Disposition of HMG-CoA reductase inhibitors, including rosuvastatin, involves OATP1B1 and other transporter proteins. Higher plasma concentrations of rosuvastatin have been reported in very small groups of patients (n=3 to 5) who have two reduced function alleles of the gene that encodes OATP1B1 (*SLCO1B1* 521T > C). The frequency of this genotype (i.e., *SLCO1B1* 521 C/C) is generally lower than 5% in most racial/ethnic groups. The impact of this polymorphism on efficacy and/or safety of rosuvastatin has not been clearly established.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

In a 104-week carcinogenicity study in rats at dose levels of 2, 20, 60, or 80 mg/kg/day by oral gavage, the incidence of uterine stromal polyps was significantly increased in females at 80 mg/kg/day at systemic exposure 20 times the human exposure at 40 mg/day based on AUC. Increased incidence of polyps was not seen at lower doses.

In a 107-week carcinogenicity study in mice given 10, 60 or 200 mg/kg/day by oral gavage, an increased incidence of hepatocellular adenoma/carcinoma was observed at 200 mg/kg/day at systemic exposures 20 times the human exposure at 40 mg/day based on AUC. An increased incidence of hepatocellular tumors was not seen at lower doses.

Rosuvastatin was not mutagenic or clastogenic with or without metabolic activation 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 until gestation day 7. No adverse effect on fertility was observed at 50 mg/kg/day (systemic exposures up to 10 times the human exposure at 40 mg/day based on AUC). In testicles of dogs treated with rosuvastatin at 30 mg/kg/day for one month, spermatidic giant cells were seen. Spermatidic giant cells were observed in monkeys after 6-month treatment at 30 mg/kg/day in addition to vacuolation of seminiferous tubular epithelium. Exposures in the dog were 20 times and in the monkey 10 times the human exposure at 40 mg/day based on body surface area. Similar findings have been seen with other drugs in this class.

13.2 Animal Toxicology and /or Pharmacology

Central Nervous System Toxicity

CNS vascular lesions, characterized by perivascular hemorrhages, edema, and mononuclear cell infiltration of perivascular spaces, have been observed in dogs treated with several other members of this drug class. A chemically similar drug in this class

produced dose-dependent optic nerve degeneration (Wallerian degeneration of retinogeniculate 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 interstitium of the choroid plexus was observed in a female dog sacrificed moribund at day 24 at 90 mg/kg/day by oral gavage (systemic exposures 100 times the human exposure at 40 mg/day based on AUC). Corneal opacity was seen in dogs treated for 52 weeks at 6 mg/kg/day by oral gavage (systemic exposures 20 times the human exposure at 40 mg/day based on AUC). Cataracts were seen in dogs treated for 12 weeks by oral gavage at 30 mg/kg/day (systemic exposures 60 times the human exposure at 40 mg/day based on AUC). Retinal dysplasia and retinal loss were seen in dogs treated for 4 weeks by oral gavage at 90 mg/kg/day (systemic exposures 100 times the human exposure at 40 mg/day based on AUC). Doses ≤ 30 mg/kg/day (systemic exposures ≤ 60 times the human exposure at 40 mg/day based on AUC) did not reveal retinal findings during treatment for up to one year.

Juvenile Toxicology Study

In a juvenile study, rats were dosed by oral gavage with 10 or 50 mg/kg/day from weaning for 9 weeks prior to pairing, throughout pairing and up to the day before necropsy for males or up to gestation day 7 for females. No effects on sexual development, testicular and epididymal appearance or fertility were observed at either dose level.

Pediatric information is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

14 CLINICAL STUDIES

14.3 Hypertriglyceridemia

Dose-Response Study: In a double-blind, placebo-controlled dose-response study in patients with baseline TG levels from 273 to 817 mg/dL, rosuvastatin calcium given as a single daily dose (5 to 40 mg) over 6 weeks significantly reduced serum TG levels (Table 9).

Table 9. Dose-Response in Patients with Primary Hypertriglyceridemia Over 6 Weeks Dosing Median (Min, Max) Percent Change From Baseline

Dose	Placebo (n=26)	Rosuvastatin calcium 5 mg (n=25)	Rosuvastatin calcium 10 mg (n=23)	Rosuvastatin calcium 20 mg (n=27)	Rosuvastatin calcium 40 mg (n=25)
Triglycerides	1 (-40, 72)	-21 (-58, 38)	-37 (-65, 5)	-37 (-72, 11)	-43 (-80, -7)
nonHDL-C	2 (-13, 19)	-29 (-43, -8)	-49 (-59, -20)	-43 (-74, 12)	-51 (-62, -6)
VLDL-C	2 (-36, 53)	-25 (-62, 49)	-48 (-72, 14)	-49 (-83, 20)	-56 (-83, 10)
Total-C	1 (-13, 17)	-24 (-40, -4)	-40 (-51, -14)	-34 (-61, -11)	-40 (-51, -4)
LDL-C	5 (-30, 52)	-28 (-71, 2)	-45 (-59, 7)	-31 (-66, 34)	-43 (-61, -3)
HDL-C	-3 (-25, 19)	3 (-38, 33)	8 (-8, 24)	22 (-5, 50)	17 (-14, 63)

14.4 Primary Dysbetalipoproteinemia (Type III Hyperlipoproteinemia)

In a randomized, multicenter, double-blind crossover study, 32 patients (27 with $\epsilon 2/\epsilon 2$ and 4 with apo E mutation [Arg145Cys] with primary dysbetalipoproteinemia (Type III Hyperlipoproteinemia) entered a 6-week dietary lead-in period on the NCEP Therapeutic Lifestyle Change (TLC) diet. Following dietary lead-in, patients were randomized to a sequence of treatments in conjunction with the TLC diet for 6 weeks each: rosuvastatin 10 mg followed by rosuvastatin 20 mg or rosuvastatin 20 mg followed by rosuvastatin 10 mg. Rosuvastatin calcium reduced non HDL-C (primary end point) and circulating remnant lipoprotein levels. Results are shown in the table below.

Table 10. Lipid-modifying Effects of Rosuvastatin 10 mg and 20 mg in Primary Dysbetalipoproteinemia (Type III hyperlipoproteinemia) After Six Weeks by Median Percent Change(95% CI) from Baseline (N=32)

	Median at Baseline (mg/dL)	Median percent change from baseline (95% CI) Rosuvastatin calcium 10 mg	Median percent change from baseline (95% CI) Rosuvastatin calcium 20 mg
Total-C	342.5	- 43.3 (-46.9, - 37.5)	-47.6 (-51.6,-42.8)
Triglycerides	503.5	-40.1 (-44.9, -33.6)	-43.0 (-52.5, -33.1)
NonHDL-C	294.5	- 48.2 (-56.7, -45.6)	-56.4 (-61.4, -48.5)
VLDL-C + IDL-C	209.5	-46.8 (-53.7, -39.4)	-56.2 (-67.7, -43.7)
LDL-C	112.5	-54.4 (-59.1, -47.3)	-57.3 (-59.4, -52.1)
HDL-C	35.5	10.2 (1.9, 12.3)	11.2 (8.3, 20.5)
RLP-C	82.0	-56.4 (-67.1, -49.0)	-64.9 (-74.0, -56.6)
Apo-E	16.0	-42.9 (-46.3, -33.3)	-42.5 (-47.1, -35.6)

14.5 Homozygous Familial Hypercholesterolemia

Dose-Titration Study: In an open-label, forced-titration study, homozygous FH patients (n=40, 8-63 years) were evaluated for their response to rosuvastatin calcium 20 to 40 mg titrated at a 6-week interval. In the overall population, the mean LDL-C reduction from baseline was 22%. About one-third of the patients benefited from increasing their dose from 20 mg to 40 mg with further LDL lowering of greater than 6%. In the 27 patients with at least a 15% reduction in LDL-C, the mean LDL-C reduction was 30% (median 28% reduction). Among 13 patients with an LDL-C reduction of < 15%, 3 had no change or an increase in LDL-C. Reductions in LDL-C of 15% or greater were observed in 3 of 5 patients with known receptor negative status.

Pediatric use information for patients 7 to 17 years of age is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to

AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

16 HOW SUPPLIED/STORAGE AND HANDLING

Rosuvastatin tablets are supplied as:

- Rosuvastatin Tablets, USP 5 mg are available as White, round shaped, biconvex, film coated tablets debossed with "R5" on one side and plain on other side.

Bottle of 90 tablets	NDC-72205-027-90
Bottle of 500 tablets	NDC-72205-027-05
Bottle of 1000 tablets	NDC-72205-027-99
Cartons of 100 (10 x 10) unit-dose tablets	NDC-72205-027-06

- Rosuvastatin Tablets ,USP 10 mg are available as Pink, round shaped, biconvex, film coated tablets debossed with "R10" on one side and plain on other side.

Bottle of 90 tablets	NDC-72205-003-90
Bottle of 500 tablets	NDC-72205-003-05
Bottle of 1000 tablets	NDC-72205-003-99
Cartons of 100 (10 x 10) unit-dose tablets	NDC-72205-003-06

- Rosuvastatin Tablets, USP 20 mg are available as Pink, round shaped, biconvex, film coated tablets debossed with "R20" on one side and plain on other side.

Bottle of 90 tablets	NDC-72205-004-90
Bottle of 500 tablets	NDC-72205-004-05
Bottle of 1000 tablets	NDC-72205-004-99
Cartons of 100 (10 x 10) unit-dose tablets	NDC-72205-004-06

- Rosuvastatin Tablets, USP 40 mg are available as: Pink, oval shaped, biconvex, film coated tablets debossed with "R" on one side and "40" on other side.

Bottle of 30 tablets	NDC-72205-005-30
Bottle of 90 tablets	NDC-72205-005-90
Bottle of 500 tablets	NDC-72205-005-05
Bottle of 1000 tablets	NDC-72205-005-99
Cartons of 100 (10 x 10) unit-dose tablets	NDC-72205-005-06

Storage

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Patient Information).

Patients should be instructed not to take 2 doses of rosuvastatin tablets within 12 hours of each other.

Skeletal Muscle Effects

Patients should be advised to report promptly unexplained muscle pain, tenderness, or weakness, particularly if accompanied by malaise or fever or if these muscle signs or symptoms persist after discontinuing rosuvastatin tablets.

Concomitant Use of Antacids

When taking rosuvastatin tablets with an aluminum and magnesium hydroxide combination antacid, the antacid should be taken at least 2 hours after rosuvastatin tablets administration.

Embryofetal Toxicity

Advise females of reproductive potential of the risk to a fetus, to use effective contraception during treatment, and to inform their healthcare provider of a known or suspected pregnancy. *[see Contraindications (4) and Use in Specific Populations (8.1, 8.3)].*

Lactation

Advise women not to breastfeed during treatment with rosuvastatin calcium *[see Contraindications (4) and Use in Specific Populations (8.2)].*

Liver

Enzymes

It is recommended that liver enzyme tests be performed before the initiation of rosuvastatin tablets and if signs or symptoms of liver injury occur. All patients treated with rosuvastatin tablets should be advised to promptly report any symptoms that may indicate liver injury, including fatigue, anorexia, right upper abdominal discomfort, dark urine or jaundice.

Manufactured by:

MSN Laboratories Private Limited

Telangana – 509 228, INDIA

Distributed by:

Novadoz Pharmaceuticals LLC

Piscataway, NJ 08854-3714

Issued on:

February 2021

PATIENT INFORMATION

Rosuvastatin Tablets, USP (roe soo" va stat' in)

Read this Patient Information carefully before you start taking rosuvastatin tablets and each time you get a refill. If you have any questions about rosuvastatin tablets, ask your doctor. Only your doctor can determine if rosuvastatin tablets are right for you.

What are Rosuvastatin tablets?

Rosuvastatin tablets are a prescription medicine that contains a cholesterol-lowering medicine called rosuvastatin calcium.

- Rosuvastatin tablets are used along with diet to:
 - lower the level of your "bad" cholesterol (LDL)
 - increase the level of your "good" cholesterol (HDL)
 - lower the level of fat in your blood (triglycerides)
- Rosuvastatin tablets are used to treat:
 - adults who cannot control their cholesterol levels by diet and exercise alone.

It is not known if rosuvastatin tablets are safe and effective in people who have

Fredrickson Type I and V dyslipidemias.

Pediatric use information for patients 7 to 17 years of age is approved for AstraZeneca's CRESTOR (rosuvastatin calcium) tablets. However, due to AstraZeneca's marketing exclusivity rights, this drug product is not labeled with that pediatric information.

Who should not take rosuvastatin tablets?

Do not take rosuvastatin tablets if you:

- are allergic to rosuvastatin calcium or any of the ingredients in rosuvastatin tablets. See the end of this leaflet for a complete list of ingredients in rosuvastatin tablets.
- have liver problems.
- are pregnant or think you may be pregnant, or are planning to become pregnant. Rosuvastatin tablets may harm your unborn baby. If you become pregnant, stop taking rosuvastatin tablets and call your doctor right away. If you are not planning to become pregnant you should use effective birth control (contraception) while you are taking rosuvastatin tablets.
- are breastfeeding. Medicines like rosuvastatin can pass into your breast milk and may harm your baby.

What should I tell my doctor before and while taking rosuvastatin tablets?

Tell your doctor if you:

- have unexplained muscle aches or weakness
- have or have had kidney problems
- have or have had liver problems
- drink more than 2 glasses of alcohol daily
- have thyroid problems
- are 65 years of age or older
- are of Asian descent
- are pregnant or think you may be pregnant, or are planning to become pregnant
- are breastfeeding

Tell your doctor about all the medicines you take, including prescription and over-the-counter medicines, vitamins, and herbal supplements.

Talk to your doctor before you start taking any new medicines.

Taking rosuvastatin tablets with certain other medicines may affect each other causing side effects. Rosuvastatin tablets may affect the way other medicines work, and other medicines may affect how rosuvastatin tablets works.

Especially tell your doctor if you take:

- cyclosporine (a medicine for your immune system)
- gemfibrozil (a fibric acid medicine for lowering cholesterol)
- darolutamide (a medicine for the treatment of prostate cancer)
- regorafenib (a medicine used to treat cancer of the colon and rectum)
- anti-viral medicines including certain HIV or hepatitis C virus drugs such as :
 - lopinavir, ritonavir, fosamprenavir, tipranavir, atazanavir, simeprevir)
 - combination of
 - sofosbuvir/velpatasvir/voxilaprevir
 - dasabuvir/ombitasvir/paritaprevir/ritonavir
 - elbasvir/grazoprevir
 - sofosbuvir/velpatasvir

- glecaprevir/pibrentasvir **and**
- all other combinations with ledipasvir including ledipasvir/sofosbuvir
- certain anti-fungal medicines (such as itraconazole, ketoconazole and fluconazole)
- coumarin anticoagulants (medicines that prevent blood clots, such as warfarin)
- niacin or nicotinic acid
- fibric acid derivatives (such as fenofibrate)
- colchicine (a medicine used to treat gout)

Ask your doctor or pharmacist for a list of these medicines if you are not sure. Know all of the medicines you take. Keep a list of them to show your doctor and pharmacist when you get new medicine.

How should I take rosuvastatin tablets?

- Take rosuvastatin tablets exactly as your doctor tells you to take it.
- Take rosuvastatin tablets, by mouth, 1 time each day. Swallow the tablet whole.
- Rosuvastatin tablets can be taken at any time of day, with or without food.
- **Do not** change your dose or stop rosuvastatin tablets without talking to your doctor, even if you are feeling well.
- Your doctor may do blood tests to check your cholesterol levels before and during your treatment with rosuvastatin tablets. Your doctor may change your dose of rosuvastatin tablets if needed.
- Your doctor may start you on a cholesterol lowering diet before giving you rosuvastatin tablets. Stay on this diet when you take rosuvastatin tablets.
- Wait at least 2 hours after taking rosuvastatin tablets to take an antacid that contains a combination of aluminum and magnesium hydroxide.
- If you miss a dose of rosuvastatin calcium tablets, take it as soon as you remember. However, **do not take 2 doses of rosuvastatin tablets within 12 hours of each other.**
- If you take too much rosuvastatin tablets or overdose, call your doctor or go to the nearest hospital emergency room right away.

What are the Possible Side Effects of rosuvastatin tablets?

Rosuvastatin tablets may cause serious side effects, including:

- **Muscle pain, tenderness and weakness (myopathy).** Muscle problems, including muscle breakdown, can be serious in some people and rarely cause kidney damage that can lead to death. **Tell your doctor right away if:**
 - **you have unexplained muscle pain, tenderness, or weakness, especially if you have a fever or feel more tired than usual, while you take rosuvastatin tablets.**
 - you have muscle problems that do not go away even after your doctor has told you to stop taking rosuvastatin tablets. Your doctor may do further tests to diagnose the cause of your muscle problems.

Your chances of getting muscle problems are higher if you:

- are taking certain other medicines while you take rosuvastatin tablets
- are 65 years of age or older

- have thyroid problems (hypothyroidism) that are not controlled
- have kidney problems
- are taking higher doses of rosuvastatin tablets
- **Liver problems.** Your doctor should do blood tests to check your liver before you start taking rosuvastatin tablets and if you have symptoms of liver problems while you take rosuvastatin tablets. Call your doctor right away if you have any of the following symptoms of liver problems:
 - feel unusually tired or weak
 - loss of appetite
 - upper belly pain
 - dark urine
 - yellowing of your skin or the whites of your eyes

The most common side effects may include: headache, muscle aches and pains, abdominal pain, weakness, and nausea.

Additional side effects that have been reported with rosuvastatin tablets include memory loss and confusion.

Tell your doctor if you have any side effect that bothers you or that does not go away. These are not all the possible side effects of rosuvastatin tablets. For more information, ask your doctor or pharmacist.

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

How should I store rosuvastatin tablets?

- Store rosuvastatin tablets at room temperature, between 68°F to 77°F (20°C to 25°C) and in a dry place.
- Safely throw away medicine that is out of date or no longer needed.

Keep rosuvastatin tablets and all medicines out of the reach of children.

What are the Ingredients in rosuvastatin tablets?

Active Ingredient: rosuvastatin as rosuvastatin calcium

Inactive Ingredients: crospovidone, hypromellose, lactose monohydrate, magnesium stearate, mannitol, meglumine, microcrystalline cellulose, pregelatinized starch, titanium dioxide and triacetin. Additionally, 10 mg, 20 mg and 40 mg tablets contain FD&C red No. 40/allura red AC aluminum lake, FD&C blue No. 2/indigo carmine aluminum lake and FD&C yellow No.6/sunset yellow FCF aluminum lake.

General Information about the safe and effective use of rosuvastatin tablets

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use rosuvastatin tablets for a condition for which it was not prescribed. Do not give rosuvastatin tablets to other people, even if they have the same medical condition you have. It may harm them.

You can ask your pharmacist or doctor for information about rosuvastatin tablets that is written for health professionals.

For more information, go to www.novadozpharma.com or call 1-855-668-2369.

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

Manufactured by:

MSN Laboratories Private Limited

Telangana – 509 228,
INDIA

Distributed by:

Novadoz Pharmaceuticals LLC

Piscataway, NJ 08854-3714

Issued on:
February 2021

PACKAGE LABEL.PRINCIPAL DISPLAY PANEL

5 mg-Container-Label-90's Count

90 Tablets NDC 72205-027-90

**Rosuvastatin
Tablets, USP**

5 mg

Rx Only **NOVADOZ®**
VALUE IN EVERY DOSE

Each tablet contains rosuvastatin calcium USP equivalent to 5 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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Distributed by:
Novadoz Pharmaceuticals LLC
Piscataway, NJ 08854-3714
TEL: 855 - NOVADOZ (668-2369)

M.L.No.: 5/MN/TS/2014/F/G

D07450-02
Issued: 02/2021

3 72205 102790 9

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP, & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

5 mg-Container-Label-500's Count

500 Tablets NDC 72205-027-05

**Rosuvastatin
Tablets, USP**

5 mg

Rx Only **NOVADOZ®**
VALUE IN EVERY DOSE

Each tablet contains rosuvastatin calcium USP equivalent to 5 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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D07451-02

3 72205 102705 3

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP, & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

5 mg-Container-Label-1000's Count

1000 Tablets NDC 72205-027-99

**Rosuvastatin
Tablets, USP**

5 mg

Rx Only **NOVADOZ®**
VALUE IN EVERY DOSE

Each tablet contains rosuvastatin calcium USP equivalent to 5 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

Issued: 02/2021

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D07452-02

3 72205 102799 2

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP, & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

10 mg-container-Label-90's count

90 Tablets
NDC 72205-003-90

Each tablet contains rosuvastatin calcium USP equivalent to 10 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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M.L.No.: 5/MN/TS/2014/F/G

Issued: 02/2021
D07303-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

10 mg-Container-Label-500's Count

500 Tablets
NDC 72205-003-05

Each tablet contains rosuvastatin calcium USP equivalent to 10 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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Issued: 02/2021
M.L.No.: 5/MN/TS/2014/F/G

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D07340-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

10 mg-container-Label-1000's-count

1000 Tablets
NDC 72205-003-99

Each tablet contains rosuvastatin calcium USP equivalent to 10 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

Manufactured by:
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Issued: 02/2021
M.L.No.: 5/MN/TS/2014/F/G

Distributed by:
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TEL: 855 - NOVADOZ (668-2369)

D07304-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

20 mg-container-Label-90's-Count

90 Tablets
NDC 72205-004-90

Each tablet contains rosuvastatin calcium USP equivalent to 20 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

Manufactured by:
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Distributed by:
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TEL: 855 - NOVADOZ (668-2369)

M.L.No.: 5/MN/TS/2014/F/G

Issued: 02/2021
D07305-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

20 mg-Container-Label-500's Count

500 Tablets
NDC 72205-004-05

Each tablet contains rosuvastatin calcium USP equivalent to 20 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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Issued: 02/2021

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(668-2369)

D07341-02

Rosuvastatin
Tablets, USP

20 mg

Rx Only
NOVADOZ®
VALUE IN EVERY DOSE

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP, & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

20 mg-Container-Label-1000's-Count

1000 Tablets
NDC 72205-004-99

Each tablet contains rosuvastatin calcium USP equivalent to 20 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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(668-2369)

D07306-02

Rosuvastatin
Tablets, USP

20 mg

Rx Only
NOVADOZ®
VALUE IN EVERY DOSE

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP, & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

40 mg-Container-Label-30's-Count

30 Tablets
NDC 72205-005-30

Each tablet contains rosuvastatin calcium USP equivalent to 40 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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(668-2369)

Issued: 02/2021
D07307-02
M.L.No.: 5/MN/TS/2014/F/G

Rosuvastatin
Tablets, USP

40 mg

Rx Only
NOVADOZ®
VALUE IN EVERY DOSE

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP, & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

40 mg-Container-Label-90's-Count

90 Tablets
NDC 72205-005-90

Each tablet contains rosuvastatin calcium USP equivalent to 40 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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M.L.No.: 5/MN/TS/2014/F/G

Issued: 02/2021
D07308-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

Rosuvastatin
Tablets, USP
40 mg

Rx Only
NOVADOZ®
VALUE IN EVERY DOSE

40 mg-Container-Label-500's Count

500 Tablets
NDC 72205-005-05

Each tablet contains rosuvastatin calcium USP equivalent to 40 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

M.L.No.: 5/MN/TS/2014/F/G
Issued: 02/2021

Manufactured by:
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TEL: 855 - NOVADOZ (668-2369)

D07342-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 40x30 mm

Rosuvastatin
Tablets, USP
40 mg

Rx Only
NOVADOZ®
VALUE IN EVERY DOSE

40 mg-Container-Label-1000's-Count

1000 Tablets
NDC 72205-005-99

Each tablet contains rosuvastatin calcium USP equivalent to 40 mg of rosuvastatin.

USUAL DOSAGE:
See accompanying Prescribing information.

WARNING:
As with all medications, keep out of the reach of children.

Store at controlled room temperature, 20-25°C (68-77°F) [see USP Controlled Room Temperature]. Protect from moisture.

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TEL: 855 - NOVADOZ (668-2369)

D07309-02

GTIN: XXXXXXXXXXXXX
S.N: XXXXXXXXXXXXX
EXP: MM/YYYY
LOT: XXXXXXXXX
GTIN, S.N., EXP. & LOT, Details along with variable data shall be over coded with 2D during packing.

Coding area 43x30 mm

Rosuvastatin
Tablets, USP
40 mg

Rx Only
NOVADOZ®
VALUE IN EVERY DOSE

ROSUVASTATIN CALCIUM

rosuvastatin calcium tablet, film coated

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:72205-003
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name		Basis of Strength	Strength	
ROSUVASTATIN CALCIUM (UNII: 83MVU38M7Q) (ROSUVASTATIN - UNII:413KH5ZJ73)		ROSUVASTATIN	10 mg	
Inactive Ingredients				
Ingredient Name		Strength		
CROSPVIDONE (UNII: 68401960MK)				
MAGNESIUM STEARATE (UNII: 70097M6I30)				
MANNITOL (UNII: 3OWL53L36A)				
MEGLUMINE (UNII: 6HG8UB2MUY)				
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)				
HYPROMELLOSES (UNII: 3NXW29V3WO)				
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)				
TRIACETIN (UNII: XHX3C3X673)				
FD&C RED NO. 40 (UNII: WZB9127XOA)				
FD&C YELLOW NO. 6 (UNII: H77VEI93A8)				
FD&C BLUE NO. 2 (UNII: L06K8R7DQK)				
STARCH, CORN (UNII: O8232NY3SJ)				
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)				
Product Characteristics				
Color	PINK	Score	no score	
Shape	ROUND	Size	7mm	
Flavor		Imprint Code	R10	
Contains				
Packaging				
#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:72205-003-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	11/22/2017	
2	NDC:72205-003-99	1000 in 1 BOTTLE; Type 0: Not a Combination Product	11/22/2017	
3	NDC:72205-003-06	100 in 1 CARTON	11/22/2017	
3	NDC:72205-003-11	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
4	NDC:72205-003-05	500 in 1 BOTTLE; Type 0: Not a Combination Product	02/25/2019	
Marketing Information				
Marketing Category		Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA		ANDA208898	11/22/2017	

ROSUVASTATIN CALCIUM

rosuvastatin calcium tablet, film coated

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:72205-004
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ROSUVASTATIN CALCIUM (UNII: 83MVU38M7Q) (ROSUVASTATIN - UNII:413KH5ZJ73)	ROSUVASTATIN	20 mg

Inactive Ingredients

Ingredient Name	Strength
CROSPVIDONE (UNII: 68401960MK)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	
MEGLUMINE (UNII: 6HG8UB2MUY)	
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)	
HYPROMELLOSES (UNII: 3NXW29V3WO)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	
TRIACETIN (UNII: XHX3C3X673)	
FD&C RED NO. 40 (UNII: WZB9127XOA)	
FD&C YELLOW NO. 6 (UNII: H77VEI93A8)	
FD&C BLUE NO. 2 (UNII: L06K8R7DQK)	
STARCH, CORN (UNII: O8232NY3SJ)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	

Product Characteristics

Color	PINK	Score	no score
Shape	ROUND	Size	9mm
Flavor		Imprint Code	R20
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:72205-004-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	11/22/2017	
2	NDC:72205-004-99	1000 in 1 BOTTLE; Type 0: Not a Combination Product	11/22/2017	
3	NDC:72205-004-06	100 in 1 CARTON	11/22/2017	
3	NDC:72205-004-11	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
4	NDC:72205-004-05	500 in 1 BOTTLE; Type 0: Not a Combination Product	02/25/2019	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA208898	11/22/2017	

ROSUVASTATIN CALCIUM

rosuvastatin calcium tablet, film coated

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:72205-005
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ROSUVASTATIN CALCIUM (UNII: 83MVU38M7Q) (ROSUVASTATIN - UNII:413KH5ZJ73)	ROSUVASTATIN	40 mg

Inactive Ingredients

Ingredient Name	Strength
CROSPVIDONE (UNII: 68401960MK)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	
MEGLUMINE (UNII: 6HG8UB2MUY)	
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)	
HYPROMELLOSES (UNII: 3NXW29V3WO)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	
TRIACETIN (UNII: XHX3C3X673)	
FD&C RED NO. 40 (UNII: WZB9127XOA)	
FD&C YELLOW NO. 6 (UNII: H77VEI93A8)	
FD&C BLUE NO. 2 (UNII: L06K8R7DQK)	
STARCH, CORN (UNII: O8232NY3SJ)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	

Product Characteristics

Color	PINK	Score	no score
Shape	OVAL	Size	11mm
Flavor		Imprint Code	R;40
Contains			

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:72205-005-30	30 in 1 BOTTLE; Type 0: Not a Combination Product	11/22/2017	

2	NDC:72205-005-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	09/17/2018	
3	NDC:72205-005-99	1000 in 1 BOTTLE; Type 0: Not a Combination Product	11/22/2017	
4	NDC:72205-005-06	100 in 1 CARTON	11/22/2017	
4	NDC:72205-005-11	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
5	NDC:72205-005-05	500 in 1 BOTTLE; Type 0: Not a Combination Product	02/25/2019	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA208898	11/22/2017	

ROSUVASTATIN CALCIUM

rosuvastatin calcium tablet, film coated

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:72205-027
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ROSUVASTATIN CALCIUM (UNII: 83MVU38M7Q) (ROSUVASTATIN - UNII:413KH5ZJ73)	ROSUVASTATIN	5 mg

Inactive Ingredients

Ingredient Name	Strength
CROSPVIDONE (UNII: 68401960MK)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	
MEGLUMINE (UNII: 6HG8UB2MUY)	
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)	
HYPROMELLOSES (UNII: 3NXW29V3WO)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	
TRIACETIN (UNII: XHX3C3X673)	
STARCH, CORN (UNII: O8232NY3SJ)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	

Product Characteristics

Color	WHITE	Score	no score
Shape	ROUND	Size	7mm
Flavor		Imprint Code	R5

Contains**Packaging**

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:72205-027-90	90 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2019	
2	NDC:72205-027-99	1000 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2019	
3	NDC:72205-027-06	100 in 1 CARTON	05/08/2019	
3	NDC:72205-027-11	10 in 1 BLISTER PACK; Type 0: Not a Combination Product		
4	NDC:72205-027-05	500 in 1 BOTTLE; Type 0: Not a Combination Product	05/08/2019	

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
ANDA	ANDA208898	11/22/2017	

ROSUVASTATIN CALCIUM

rosuvastatin calcium tablet, film coated

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:72205-002
Route of Administration	ORAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
ROSUVASTATIN CALCIUM (UNII: 83MVU38M7Q) (ROSUVASTATIN - UNII:413KH5ZJ73)	ROSUVASTATIN	5 mg

Inactive Ingredients

Ingredient Name	Strength
CROSPVIDONE (UNII: 68401960MK)	
MAGNESIUM STEARATE (UNII: 70097M6I30)	
MANNITOL (UNII: 3OWL53L36A)	
MEGLUMINE (UNII: 6HG8UB2MUY)	
CELLULOSE, MICROCRYSTALLINE (UNII: OP1R32D61U)	
HYPROMELLOSES (UNII: 3NXW29V3WO)	
TITANIUM DIOXIDE (UNII: 15FIX9V2JP)	
TRIACETIN (UNII: XHX3C3X673)	
STARCH, CORN (UNII: O8232NY3SJ)	
LACTOSE MONOHYDRATE (UNII: EWQ57Q8I5X)	

Product Characteristics					
Color		YELLOW	Score		no score
Shape		ROUND	Size		7mm
Flavor			Imprint Code		R5
Contains					
Packaging					
#	Item Code	Package Description		Marketing Start Date	Marketing End Date
1	NDC:72205-002-90	90 in 1 BOTTLE; Type 0: Not a Combination Product		11/22/2017	01/31/2022
2	NDC:72205-002-99	1000 in 1 BOTTLE; Type 0: Not a Combination Product		11/22/2017	01/31/2022
3	NDC:72205-002-06	100 in 1 CARTON		11/22/2017	01/31/2022
3	NDC:72205-002-11	10 in 1 BLISTER PACK; Type 0: Not a Combination Product			
4	NDC:72205-002-05	500 in 1 BOTTLE; Type 0: Not a Combination Product		02/25/2019	01/31/2022
Marketing Information					
Marketing Category		Application Number or Monograph Citation		Marketing Start Date	Marketing End Date
ANDA		ANDA208898		11/22/2017	

Labeler - Novadoz Pharmaceuticals LLC (081109687)

Establishment			
Name	Address	ID/FEI	Business Operations
MSN LABORATORIES PRIVATE LIMITED		650786952	ANALYSIS(72205-002, 72205-003, 72205-004, 72205-005, 72205-027) , MANUFACTURE(72205-002, 72205-003, 72205-004, 72205-005, 72205-027)

Revised: 2/2021

Novadoz Pharmaceuticals LLC