

## PROFESSIONAL INFORMATION

### SCHEDULING STATUS

S4

#### 1 NAME OF THE MEDICINE

**CRESAGEN 5** Tablets  
**CRESAGEN 10** Tablets  
**CRESAGEN 20** Tablets  
**CRESAGEN 40** Tablets

#### 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

**CRESAGEN 5:** Each film-coated tablet contains 5 mg rosuvastatin (as rosuvastatin calcium)  
**CRESAGEN 10:** Each film-coated tablet contains 10 mg rosuvastatin (as rosuvastatin calcium)  
**CRESAGEN 20:** Each film-coated tablet contains 20 mg rosuvastatin (as rosuvastatin calcium)  
**CRESAGEN 40:** Each film-coated tablet contains 40 mg rosuvastatin (as rosuvastatin calcium)

#### Excipients with known effect

Each 5 mg film-coated tablet contains 45.72 mg lactose monohydrate.  
Each 10 mg film-coated tablet contains 90.90 mg lactose monohydrate.  
Each 20 mg film-coated tablet contains 181.80 mg lactose monohydrate.  
Each 40 mg film-coated tablet contains 363.60 mg lactose monohydrate.

For full list of excipients, see section 6.1

#### 3 PHARMACEUTICAL FORM

**CRESAGEN 5:** Round, biconvex, yellow film-coated tablets, 6 mm in diameter, debossed with "5" on one side.  
**CRESAGEN 10:** Round, biconvex, light pink film-coated tablets, 7 mm in diameter, debossed with "10" on one side.  
**CRESAGEN 20:** Round, biconvex, dark pink film-coated tablets, 9 mm in diameter, debossed with "20" on one side.  
**CRESAGEN 40:** Round, biconvex, red film-coated tablets, 10 mm in diameter, debossed with "40" on one side.

#### 4 CLINICAL PARTICULARS

##### Therapeutic indications

##### In adult patients with hypercholesterolaemia:

**CRESAGEN** is indicated for patients with primary hypercholesterolaemia, mixed dyslipidaemia and isolated hypertriglyceridaemia (including Fredrickson Type IIa, IIb and IV), and heterozygous familial hypercholesterolaemia) as an adjunct to diet when response to diet and exercise is inadequate.

**CRESAGEN** is also indicated for patients with homozygous familial hypercholesterolaemia, either alone or as an adjunct to diet and other lipid lowering treatments (e.g. LDL apheresis).

**CRESAGEN 40 mg** should only be considered in patients with severe hypercholesterolaemia and high cardiovascular risk who do not achieve their treatment goal on 20 mg of **CRESAGEN** of alternative therapy.

##### 4.2 Posology and method of administration

Before treatment initiation the patient should be placed on a standard cholesterol-lowering diet that should continue during treatment.

**Posology**  
The dosage range for **CRESAGEN** is 5 – 40 mg orally once a day. The recommended start dose is 5 mg once a day.

The usual dose should be individualised according to the goal of therapy and patient response. The majority of patients are controlled at the 10 mg dose. However, if necessary, dose adjustment can be made at 2 – 4 week intervals.

**Adults:**  
**Primary hypercholesterolaemia (including heterozygous familial hypercholesterolaemia), mixed dyslipidaemia and isolated hypertriglyceridaemia:**  
The recommended starting dose is 5 mg once a day.  
A 5 mg starting dose is recommended for patients of Asian ancestry and for patients requiring a smaller reduction in LDL-C to achieve treatment target.  
For patients with severe hypercholesterolaemia (including heterozygous familial hypercholesterolaemia), a starting dose of 20 mg may be considered.

**Homozygous familial hypercholesterolaemia:**  
For patients with homozygous familial hypercholesterolaemia a starting dose of 20 mg once a day is recommended.

##### Special populations

##### Use in the elderly

The usual dose range applies.

##### Dosage in patients with renal insufficiency

The usual starting dose of 5 mg applies in patients with mild to moderate renal impairment.  
**CRESAGEN** is contraindicated in severe renal impairment (see section 4.3).

##### Dosage in patients with hepatic insufficiency:

The usual starting dose of 5 mg applies in patients with mild to moderate hepatic impairment. Patients with severe hepatic impairment should start therapy with **CRESAGEN** 5 mg. Increased systemic exposure to rosuvastatin has been observed in these patients, therefore the use of doses above **CRESAGEN** 10 mg should be carefully considered (see section 5.2).

##### Race:

A 5 mg starting dose of **CRESAGEN** should be considered for Asian patients. Increased plasma concentration of rosuvastatin is seen in Asian subjects (see sections 4.4 and 5.2). Increased systemic exposure should be taken into consideration when treating Asian patients whose hypercholesterolaemia is not adequately controlled at doses up to 20 mg daily.

##### Concomitant therapy:

**CRESAGEN** has shown to have additive efficacy in lowering triglycerides when used in combination with fenofibrate and in increasing HDL-C levels when used in combination with niacin.

**CRESAGEN** can also be used in combination with ezetimibe or bile acid sequestrants (see section 4.4).

##### Interactions requiring dose adjustments:

##### Ciclosporin:

**CRESAGEN** is contraindicated in patients receiving ciclosporin (see section 4.3).

##### Gemfibrozil:

Increased systemic exposure to rosuvastatin has been observed in subjects taking concomitant rosuvastatin and gemfibrozil. Patients taking this combination should start therapy with **CRESAGEN** 5 mg once daily and should not exceed a dose of **CRESAGEN** 20 mg once daily (see section 4.5).

##### Paediatric population

**Children and adolescents 10 - 17 years of age:**  
Safety and efficacy has not been established in children. Paediatric experience is limited to a small number of children (aged 8 years and above) with homozygous familial hypercholesterolaemia.

Children and adolescents with heterozygous familial hypercholesterolaemia the usual dose range is 5 - 20 mg orally once daily. The dose should be approximately titrated to achieve treatment goal. Safety and efficacy of doses greater than 20 mg have not been studied in this population.

##### Method of administration

**CRESAGEN** may be given at any time of day, with or without food.

##### 4.3 Contraindications

**CRESAGEN** is contraindicated:

- in patients with hypersensitivity to rosuvastatin or to any of the excipients of **CRESAGEN**.
- in patients with active liver disease including unexplained, persistent elevations of serum transaminases and any serum transaminase elevation exceeding 3 times the upper limit of normal (ULN).
- in patients with severe renal impairment (creatinine clearance < 30 ml/min).
- in patients receiving concomitant ciclosporin (see section 4.5).
- during pregnancy and lactation and in women of childbearing potential not using appropriate contraceptive measures (see section 4.6).

- The 40 mg dose is contraindicated in patients with pre-disposing factors for myopathy/rhabdomyolysis. Such factors include:
  - moderate renal impairment (creatinine clearance < 60 ml/min)
  - hypothyroidism
  - personal or family history of hereditary muscular disorders
  - previous history of muscular toxicity with another HMG-CoA reductase inhibitor or fibrate
  - alcohol abuse
  - situations where an increase in rosuvastatin-plasma levels may occur
  - Asian patients
  - concomitant use of fibrates (see sections 4.4, 4.5 and 5.2).

##### Special warnings and precautions for use

##### Risk of myasthenia gravis and ocular myasthenia

**Renal Effects:**  
An assessment of renal function should be considered during routine follow-up of patients treated with a dose of 40 mg. Proteinuria, detected by dipstick testing and mostly tubular in origin, has been observed in patients treated with higher doses of rosuvastatin, in particular 40 mg. It was transient or intermittent in most cases. Proteinuria has not been shown to be a precursor to acute or progressive renal disease (see section 4.8).

##### Skeletal Muscle Effects

Effects on skeletal muscle, e.g. uncomplicated myalgia, myopathy and rhabdomyolysis have been reported in patients treated with **CRESAGEN**. The reporting rate for rhabdomyolysis in post-marketing use is higher at the highest dose. Patients who develop any signs or symptoms suggestive myopathy should have their creatine kinase (CK) levels measured. **CRESAGEN** therapy should be discontinued if myopathy is diagnosed or suspected.

AUO increase in the incidence of myositis and myopathy has been reported in patients receiving other HMG-CoA reductase inhibitors such as **CRESAGEN** together with cyclosporine, fibric acid derivatives, including gemfibrozil, nicotinic acid, azole antifungals and macrolide antibiotics.

**CRESAGEN** should be prescribed with caution in patients with pre-disposing factors for myopathy and rhabdomyolysis such as renal impairment, hypothyroidism, history of hereditary muscular disorders, history of muscular toxicity with another HMG-CoA reductase inhibitor or fibrate, alcohol abuse, age > 70 years, concomitant use of fibrates and situations where an increase in plasma levels may occur.

**CRESAGEN** should be temporarily withheld in any patient with an acute serious condition suggestive of myopathy or pre-disposing to the development of renal failure secondary to rhabdomyolysis (e.g. sepsis, hypotension, major surgery, trauma, severe metabolic, endocrine and electrolyte disorder, or uncontrolled seizures).

##### Concomitant use with protease inhibitors in HIV patients:

##### Creatine Kinase Measurement

Creatine Kinase (CK) should not be measured following strenuous exercise or in the presence of alternative causes of CK increase which may influence the interpretation of the result. If CK levels are significantly elevated at baseline (> 5 x ULN) a confirmatory test should be carried out within 5 – 7 days. If the repeat test confirms a baseline CK > 5 x ULN, treatment must not be started.

##### Fibrate treatment

HMG-CoA reductase inhibitors, such as **CRESAGEN**, should be prescribed with caution in patients with pre-disposing factors for myopathy/rhabdomyolysis. Such factors include:

- renal impairment
- hypothyroidism
- personal or family history of hereditary muscular disorders
- previous history of muscular toxicity with another HMG-CoA reductase inhibitor or fibrate
- alcohol abuse
- age > 70 years of age
- situations where an increase in plasma levels may occur (see sections 4.2, 4.4 and 5.2)
- concomitant use of fibrates.

In this patient-group, the risk of treatment should be considered in relation to possible benefit. Clinical monitoring is recommended. If CK levels are significantly elevated at baseline (> 5 x ULN) treatment must not be initiated.

##### During treatment

Patients must be advised to report incontinence of muscle pain, weakness or cramps immediately, particularly if associated with malaise or fever. CK levels should be measured in these patients. Therapy must be discontinued if CK levels are markedly elevated (> 5 x ULN) or if muscular symptoms are severe and cause daily discomfort (even if CK levels are < 5 x ULN).

Patients should resolve and CK levels return to normal, then consideration should be given to re-introducing **CRESAGEN** or an alternative HMG-CoA reductase inhibitor at the lowest dose with close monitoring. Routine monitoring of CK levels in asymptomatic patients is not warranted.

There have been reports of an immune-mediated necrotising myopathy (IMNM) during or after treatment with statins, including rosuvastatin. IMNM is clinically characterised by rhabdomyolysis including some fatalities and elevated serum creatine kinase, which persist despite discontinuation of statin treatment.

An increase in the incidence of myositis and myopathy has been seen in patients receiving other HMG-CoA reductase inhibitors together with fibric acid derivatives including gemfibrozil, cyclosporin, nicotinic acid, azole antifungals, protease inhibitors and macrolide antibiotics.

##### Gemfibrozil

Increased systemic exposure to rosuvastatin has been reported in subjects taking concomitant **CRESAGEN** and gemfibrozil. Patients taking this combination should start therapy with **CRESAGEN** 5 mg once daily and should not exceed a dose of **CRESAGEN** 20 mg once daily (see sections 4.4 and 4.6).

**CRESAGEN** should be used with caution in patients with Type 2 diabetes and in patients at risk, being patients with a fasting glucose of 5.6 to 6.9 mmol/L, BMI > 30 kg/m<sup>2</sup>, raised triglycerides or hypertension. Patients at risk must be clinically and biochemically monitored.

Although reported clinical studies have shown that rosuvastatin alone does not reduce basal plasma cortisol concentration or impair adrenal reserve, caution should be exercised if **CRESAGEN** is administered concomitantly with agents that may decrease the levels or activity of endogenous steroid hormones such as ketoconazole, spironolactone, and cimetidine.

##### Nervous system effects

There have been reports of cognitive impairment (such as memory loss, forgetfulness, amnesia, memory impairment, and confusion) associated with the use of statins such as **CRESAGEN**. These reported symptoms were generally not serious and reversible upon discontinuation with variable times to symptom onset (between a day to years) and symptom resolution with a median of 3 weeks.

##### Lactose Intolerance

**CRESAGEN** contain lactose. Patients with rare hereditary problems of galactose intolerance, the Lapp lactase deficiency or glucose-galactose malabsorption should not take this medicine.

##### Interaction with other medicines and other forms of interaction

##### Effect of co-administered medicines on CRESAGEN:

##### Transporter protein inhibitors

Rosuvastatin, as contained in **CRESAGEN**, is a substrate for certain transporter proteins including the hepatic uptake transporter organic-anion-transporting polypeptide 1B1 (OATP1B1) and efflux transporter breast-cancer-resistance protein (BCRP). Concomitant administration of **CRESAGEN** with medicines that are inhibitors of these transporter proteins may result in increased rosuvastatin plasma concentrations and an increased risk of myopathy (see sections 4.2, 4.4 and 4.5 Table 1).

**Ciclosporin:** **CRESAGEN** is contraindicated in patients receiving ciclosporin (see section 4.3). Co-administration of rosuvastatin with ciclosporin resulted in no significant changes in concentration. However, after co-administration with ciclosporin, rosuvastatin steady plasma concentration state AUC<sub>0-24</sub> increased up to 7-fold over that reported in healthy volunteers administered the same dose of rosuvastatin (see section 4.2).

**Gemfibrozil:** Concomitant use of **CRESAGEN** and gemfibrozil resulted in a 2-fold increase in rosuvastatin C<sub>max</sub> and AUC<sub>0-24</sub>. No pharmacokinetic relevant interaction with fenofibrate has been reported, however, a pharmacodynamic interaction may occur. Gemfibrozil, fenofibrate, other fibrates and lipid lowering doses (> or equal to 1 g/day) of niacin (nicotinic acid) increase the risk of myopathy when given concomitantly with HMG-CoA reductase inhibitors such as rosuvastatin containing **CRESAGEN**. The probability that they can produce myopathy has been studied. The 40 mg dose is contraindicated with concomitant use of a fibrate (see sections 4.3 and 4.4). These patients should start with the 5 mg dose.

##### Protease inhibitors:

Increased systemic exposure to rosuvastatin has been observed in subjects in pharmacokinetic studies receiving rosuvastatin with various protease inhibitors in combination with ritonavir (see Table 1 below). This increase in systemic exposure to rosuvastatin may lead to an increased incidence of adverse events. The concomitant use of **CRESAGEN** and some protease inhibitor combinations may be considered after careful consideration of **CRESAGEN** dose adjustments based on the expected increase in rosuvastatin exposure (see sections 4.2, 4.4, 4.5 and Table 1 below).

**Antacids:** The simultaneous dosing of rosuvastatin with an antacid suspension containing aluminium and magnesium hydroxide resulted in a decrease in rosuvastatin plasma concentration of approximately 50 %. This effect was mitigated when the antacid was dosed 2 hours after rosuvastatin. The clinical relevance of this interaction has not been reported.

**Cytochrome P450 enzymes:** *In vivo* and *in vitro* data indicate that **CRESAGEN**, containing rosuvastatin, has no clinically significant cytochrome P450 interactions (as a substrate, inhibitor or inducer).

**Niacin:** The risk of skeletal muscle effects may be enhanced when **CRESAGEN** is used in combination with niacin; a reduction in **CRESAGEN** dosage should be considered in this setting.

**Fenofibrate:** When **CRESAGEN** was co-administered with fenofibrate no clinically significant increase in the AUC of rosuvastatin or fenofibrate was reported. The benefit of further alterations in lipid levels by the combined use of **CRESAGEN** with fibrates should be carefully weighed against the potential risks of this combination.

**Erythromycin:** Concomitant use of rosuvastatin and erythromycin can result in a 20 % decrease in the AUC<sub>0-24</sub> and a 30 % decrease in C<sub>max</sub> of rosuvastatin. This interaction may be caused by the increase in gastro-intestinal motility caused by erythromycin.

**Ezetimibe:** Concomitant use of 10 mg rosuvastatin and 10 mg ezetimibe resulted in a 1.2-fold increase in AUC of rosuvastatin in hypercholesterolaemic subjects (Table 1). A pharmacodynamic interaction, in terms of adverse effects, between **CRESAGEN** and ezetimibe cannot be ruled out (see section 4.4).

**Other medications:** In clinical studies rosuvastatin was co-administered with antihypertensive agents, anti-diabetic agents and hormone replacement therapy. These reported studies did not produce any evidence of clinically significant adverse reactions.

##### Interactions requiring rosuvastatin dose adjustments (see also Table 1 below):

When it is necessary to co-administer **CRESAGEN** with other medicines known to increase exposure to rosuvastatin, doses of **CRESAGEN** should be adjusted. Start with a 5 mg once daily dose of **CRESAGEN** if the expected increase in exposure (AUC) is approximately 2-fold or higher.

The maximum daily dose of **CRESAGEN** should be adjusted so that the expected rosuvastatin exposure would not likely exceed that of a 40 mg daily dose of **CRESAGEN** without other interacting medicines, for example a 20 mg once daily dose of rosuvastatin with gemfibrozil (1.5-fold increase), and a 10 mg dose of rosuvastatin with combination ritonavir/atazanavir (3.1-fold increase).

##### Table 1 Effect of co-administered medicines on rosuvastatin exposure (AUC; in order of decreasing magnitude) from published clinical trials 2-fold or greater than 2-fold increase in AUC of rosuvastatin

Interacting medicine dose regimen	Rosuvastatin dose regimen	Change in rosuvastatin AUC*
Sofosbuvir/velpatasvir/oxaliprevir (400 mg-100 mg-100 mg)+ Voxilaprevir (100 mg) once daily for 15 days	10 mg single dose	7.4-fold ↑
Ciclosporin 75 mg BID to 200 mg BID, 6 months	10 mg OD, 10 days	7.1-fold ↑
Darolutamide 600 mg BID, 5 days	5 mg, single dose	5.2-fold ↑
Regorafenib 160 mg, OD, 14 days	5 mg, single dose	3.8-fold ↑
Atazanavir 300 mg/ritonavir 100 mg OD, 8 days	10 mg, single dose	3.1-fold ↑
Simeprevir 150 mg OD, 7 days	10 mg, single dose	2.8-fold ↑
Velpatasvir 100 mg OD	10 mg, single dose	2.7-fold ↑
Ombitasvir 25 mg/paritaprevir 150 mg/ Ritonavir 100 mg / dasabuvir 400 mg BID	5 mg, single dose	2.6-fold ↑
Grazoprevir 200 mg/elbasvir 50 mg OD	10 mg, single dose	2.3-fold ↑
Glecaprevir 400 mg/pibrentasvir 120 mg OD for 7 days	5 mg once daily, 7 days	2.2-fold ↑
Lopinavir 400 mg/ritonavir 100 mg BID, 17 days	20 mg once daily, 7 days	2.1-fold ↑
Clopidogrel 300 mg loading, followed by 75 mg at 24 hours	20 mg, single dose	2-fold ↑
Gemfibrozil 600 mg BID, 7 days	80 mg, single dose	1.9-fold ↑

##### Less than 2-fold increase in AUC of rosuvastatin

Interacting medicine dose regimen	Rosuvastatin dose regimen	Change in rosuvastatin AUC*
Eltrombopag 75 mg OD, 5 days	10 mg, single dose	1.6-fold ↑
Darunavir 600 mg/ritonavir 100 mg BID, 7 days	10 mg OD, 7 days	1.5-fold ↑
Tipranavir 500 mg/ritonavir 200 mg BID, 11 days	10 mg, single dose	1.4-fold ↑
Dronedarone 400 mg BID	Not available	1.4-fold ↑
Itriconazole 200 mg OD, 5 days	10 mg or 80 mg, single dose	**1.4-fold ↑
Ezetimibe 10 mg OD, 14 days	10 mg, OD, 14 days	**1.2-fold ↑

##### Decrease in AUC of rosuvastatin

Erythromycin 500 mg QID, 7 days	80 mg, single dose	20 % ↓
Baicalin 50 mg TID, 14 days	20 mg, single dose	47 % ↓

\* Data given as x-fold change represent a simple ratio between co-administration and rosuvastatin alone. Data given as % change represent % difference relative to rosuvastatin alone. Increase is indicated as "↑", decrease as "↓".

\*\* Several interaction studies have been performed at different dosages, the QID shows the most significant.

##### AUO = area under curve; OD = once daily; BID = twice daily; TID = three times daily; QID = four times daily

##### Effect of CRESAGEN on co-administered medicines:

**Warfarin:** The pharmacokinetics of warfarin is not significantly affected following co-administration with rosuvastatin. However, co-administration of **CRESAGEN** and warfarin may result in a rise in INR compared to warfarin alone. In patients taking warfarin monitoring of INR is recommended both at initiation or cessation of therapy with **CRESAGEN** or following dose adjustment.

**Oral contraceptive/hormone replacement therapy (HRT):** Concomitant use of rosuvastatin and an oral contraceptive can result in an increase in ethinyl oestradiol and norgestrel AUC of 26 % and 34 % respectively. These increased plasma levels should be considered when selecting oral contraceptive doses. Although there are no pharmacokinetic data available in women taking concomitant HRT, a similar effect cannot be excluded.

##### Other medicines:

**Digoxin:** Based on data from specific interaction studies no clinically relevant interaction with digoxin is expected.

##### Fusidic Acid:

Interaction data with rosuvastatin and fusidic acid have not been conducted. The risk of myopathy, including rhabdomyolysis may be increased by the concomitant administration of systemic fusidic acid with statins. The mechanism of this interaction (whether it is pharmacodynamic or pharmacokinetic, or both) is yet unknown. There have been reports of rhabdomyolysis (including some fatalities) in patients receiving this combination.

If treated with systemic fusidic acid, it is necessary, **CRESAGEN** treatment should be discontinued throughout the duration of the fusidic acid treatment (see section 4.4).

##### Fertility, pregnancy and lactation

##### Women of childbearing potential/Contraception in males and females

Women of child-bearing potential should use appropriate contraceptive measures.

**Pregnancy**  
**CRESAGEN** is contraindicated in pregnancy (see section 4.3).

##### Breastfeeding

**CRESAGEN** is contraindicated in lactation. (see section 4.3).

##### Effects on ability to drive and use machines

**CRESAGEN** may cause dizziness, therefore patients taking **CRESAGEN** should not drive or use machines until their individual susceptibility to dizziness is known.

##### Undesirable effects

The adverse reactions seen with **CRESAGEN** are generally mild and transient.

Table 2: Tabulated list of adverse reactions

MedDRA system organ class	Frequency	Adverse reactions
Blood and lymphatic system disorders	Less frequent	Thrombocytopenia
Immune system disorders	Less frequent	Hypersensitivity reactions including angioedema
Endocrine disorders	Frequent	Diabetes Mellitus
Psychiatric disorders	Frequency unknown	Depression
Nervous system disorders	Frequent	Headache, dizziness
	Less frequent	Cognitive impairment such as memory loss, forgetfulness, amnesia, memory impairment and confusion, polyneuropathy
	Frequency unknown	Peripheral neuropathy, sleep disturbances (including insomnia and nightmares), myasthenia gravis
Eye disorders	Frequency unknown	Ocular myasthenia
Respiratory, thoracic and mediastinal disorders	Frequency unknown	Cough, dyspnoea
Gastrointestinal disorders	Frequent	Constipation, nausea, abdominal pain
	Less frequent	Pancreatitis
Hepato-biliary disorders	Less frequent	Increased hepatic transaminases, jaundice, hepatitis
	Frequency unknown	Fatal and non-fatal hepatic failure
Skin and subcutaneous tissue disorders	Less frequent	Pruritus, rash, urticaria
	Frequency unknown	Stevens-Johnson syndrome
Musculoskeletal and connective tissue disorders	Frequent	Myalgia
	Less frequent	Myopathy (including myositis)
	Frequency unknown	Rhabdomyolysis, which may occasionally be associated with impairment of renal function, arthralgia, Lupus-like syndrome, muscle rupture, arthralgia
	Frequency unknown	Immune disorders, sometimes complicated by rupture
Renal and urinary disorders	Less frequent	Haematuria
	Frequency unknown	Proteinuria
Reproductive system and breast disorders	Less frequent	Gynaecomastia
General disorders and administration site conditions	Frequent	Asthenia

↑ Frequency will depend on the presence or absence of risk factors (fasting blood glucose  $\geq 5.6$  mmol/L, BMI > 30 kg/m<sup>2</sup>, raised triglycerides, history of hypertension).

As with other HMG-CoA reductase inhibitors, such as rosuvastatin, the incidence of adverse reactions tends to be dose related.

**Renal effects:** Proteinuria, detected by dipstick testing and mostly tubular in origin, has been observed in patients treated with rosuvastatin. Shifts in urine protein from none or trace to 100 mg/dL have been observed in 10 % of patients at some time during treatment with 10 and 20 mg, and in approximately 3 % of patients treated with 40 mg. A minor increase in shift from none or trace to 30 mg/dL was observed with the 20 mg dose. In most cases, proteinuria decreases or disappears spontaneously on continued therapy. Review of data from clinical trials and post-marketing experience to date has not identified a causal association between proteinuria and acute or progressive renal disease.

Haematuria has been observed in patients treated with rosuvastatin and clinical trial data show that the occurrence is low.

##### Skeletal muscle effects:

AUO increase in the incidence of myositis and myopathy has been reported in patients receiving other HMG-CoA reductase inhibitors such as **CRESAGEN** together with cyclosporin, fibric acid derivatives, including gemfibrozil, nicotinic acid, azole antifungals and macrolide antibiotics.

**CRESAGEN** should be prescribed with caution in patients with pre-disposing factors for myopathy and rhabdomyolysis such as renal impairment, hypothyroidism, history of hereditary muscular disorders, history of muscular toxicity with another HMG-CoA reductase inhibitor or fibrate, alcohol abuse, age > 70 years, concomitant use of fibrates and situations where an increase in plasma levels may occur.

##### Concomitant use with protease inhibitors in HIV patients:

##### Creatine Kinase Measurement

Creatine Kinase (CK) should not be measured following strenuous exercise or in the presence of alternative causes of CK increase which may influence the interpretation of the result. If CK levels are significantly elevated at baseline (> 5 x ULN) a confirmatory test should be carried out within 5 – 7 days. If the repeat test confirms a baseline CK > 5 x ULN, treatment must not be started.

##### Fibrate treatment

HMG-CoA reductase inhibitors, such as **CRESAGEN**, should be prescribed with caution in patients with pre-disposing factors for myopathy/rhabdomyolysis. Such factors include:

- renal impairment