

Adverse effects upon mortality were observed in male and female rats at oral doses up to 40 mg/kg pioglitazone daily prior to and throughout mating and gestation (approximately nine times the MRHD based on mg/m²).

13.2 Animal Toxicology and/or Pharmacology
Heart rate was observed in mice (100 mg/kg), rats (4 mg/kg and above) and dogs (3 mg/kg) treated orally with pioglitazone (approximately 11, one, and two times the MRHD for mice, rats and dogs, respectively, based on mg/m²). In a one year rat oral study, drug-related early death due to apparent heart dysfunction occurred at an oral dose of 160 mg/kg (approximately 35 times the MRHD based on mg/m²). Heart enlargement was seen in a 13 week study in monkeys at oral doses of 8.9 mg/kg and above (approximately four times the MRHD based on mg/m²), but not in a 52 week study at oral doses up to 32 mg/kg (approximately 13 times the MRHD based on mg/m²).

14 CLINICAL STUDIES
 The coadministration of alogliptin and pioglitazone has been studied in patients with type 2 diabetes inadequately controlled on either diet and exercise alone or on metformin alone. There have been no clinical efficacy studies conducted with alogliptin and pioglitazone tablets together. Bioequivalence of alogliptin and pioglitazone tablets with coadministered alogliptin and pioglitazone tablets was demonstrated, and efficacy of the combination of alogliptin and pioglitazone has been demonstrated in four Phase 3 efficacy studies. In patients with type 2 diabetes, treatment with alogliptin and pioglitazone tablets produced clinically meaningful and statistically significant improvements in A1C compared to either alogliptin or pioglitazone alone. As is typical for trials of agents to treat type 2 diabetes, the mean reduction in A1C with alogliptin and pioglitazone tablets appears to be related to the degree of A1C elevation at baseline.

Alogliptin and Pioglitazone Coadministration in Patients with Type 2 Diabetes Inadequately Controlled on Diet and Exercise

In a 26 week, double-blind, active-controlled study, a total of 655 patients inadequately controlled on diet and exercise alone (mean baseline A1C = 8.8%) were randomized to receive alogliptin 25 mg alone, pioglitazone 30 mg alone, alogliptin 12.5 mg with pioglitazone 30 mg or alogliptin 25 mg with pioglitazone 30 mg once daily. Coadministration of alogliptin 25 mg with pioglitazone 30 mg resulted in statistically significant improvements from baseline in A1C and FPG compared to either alogliptin 25 mg alone or pioglitazone 30 mg alone (Table 10). Coadministration of alogliptin 25 mg with pioglitazone 30 mg once daily resulted in statistically significant reductions in fasting plasma glucose (FPG) starting from Week 2 through Week 26 compared to either alogliptin 25 mg or pioglitazone 30 mg alone. A total of 3% of patients receiving alogliptin 25 mg coadministered with pioglitazone 30 mg, 11% of those receiving alogliptin 25 mg alone, and 6% of those receiving pioglitazone 30 mg alone required glycemic rescue. Improvements in A1C were not affected by gender, age or baseline BMI. The mean increase in body weight was similar between pioglitazone alone and alogliptin when coadministered with pioglitazone.

Table 10. Glycemic Parameters at Week 26 in a Coadministration Study of Alogliptin and Pioglitazone in Patients Inadequately Controlled on Diet and Exercise*

	Alogliptin 25 mg N=160	Pioglitazone 30 mg N=153	Alogliptin 25 mg + Pioglitazone 30 mg N=158
A1C (%)			
Baseline (mean)	8.8	8.8	8.8
Change from Baseline (adjusted mean) [†]	-1	-1.2	-1.7
Difference from alogliptin 25 mg (adjusted mean [†] with 95% confidence interval)			-0.8 (-1, -0.5)
Difference from pioglitazone 30 mg (adjusted mean [†] with 95% confidence interval)			-0.6 [‡] (-0.8, -0.3)
% of Patients (n/N) achieving A1C < 7%	24% (40/164)	34% (52/153)	63% (102/164)
FPG (mg/dL)			
Baseline (mean)	189	189	185
Change from Baseline (adjusted mean) [†]	-26	-37	-50
Difference from alogliptin 25 mg (adjusted mean [†] with 95% confidence interval)			-25 [‡] (-34, -15)
Difference from pioglitazone 30 mg (adjusted mean [†] with 95% confidence interval)			-13 [‡] (-22, -4)

*Intent-to-treat population using last observation carried forward.
[†]Least squares means adjusted for treatment, geographic region and baseline value.
[‡]p<0.01 compared to alogliptin 25 mg or pioglitazone 30 mg.

Alogliptin and Pioglitazone Coadministration in Patients with Type 2 Diabetes Inadequately Controlled on Metformin Alone

In the second 26 week, double-blind, placebo-controlled study, a total of 1564 patients already on metformin (mean baseline A1C=6.5%) were randomized to one of 12 double-blind treatment groups: placebo, 12.5 mg or 25 mg of alogliptin alone, 15 mg, 30 mg or 45 mg of pioglitazone alone, or 12.5 mg or 25 mg of alogliptin in combination with 15 mg, 30 mg or 45 mg of pioglitazone. Patients were maintained on a stable dose of metformin (median dose=1700 mg) during the treatment period. Coadministration of alogliptin and pioglitazone provided statistically significant improvements in A1C and FPG compared to placebo, to alogliptin alone, or to pioglitazone alone when added to background metformin (Table 11). Figure 3A. A total of 14, 5% or 2% of patients receiving alogliptin 25 mg with 15 mg, 30 mg or 45 mg of pioglitazone, 33% of patients receiving placebo, 13% of patients receiving alogliptin 25 mg, and 10%, 15% or 9% of patients receiving pioglitazone 15 mg, 30 mg or 45 mg alone required glycemic rescue. Improvements in A1C were not affected by gender, age or baseline BMI. The mean increase in body weight was similar between pioglitazone alone and alogliptin when coadministered with pioglitazone.

Table 11. Glycemic Parameters at Week 26 for Alogliptin and Pioglitazone Alone and in Combination in Patients with Type 2 Diabetes*

	Placebo N=126	Alogliptin 25 mg N=123	Pioglitazone 15 mg N=127	Pioglitazone 30 mg N=123	Pioglitazone 45 mg N=126	Alogliptin 25 mg + Pioglitazone 15 mg N=127	Alogliptin 25 mg + Pioglitazone 30 mg N=124	Alogliptin 25 mg + Pioglitazone 45 mg N=125
A1C (%)								
Baseline (mean)	8.5	8.6	8.5	8.5	8.5	8.5	8.5	8.6
Change from baseline (adjusted mean) [†] with 95% confidence interval	-0.1	-0.9	-0.8	-0.9	-1	-1.3 [‡]	-1.4 [‡]	-1.6 [‡]
Difference from pioglitazone (adjusted mean [†] with 95% confidence interval)						-0.5 [‡] (-0.7, -0.3)	-0.5 [‡] (-0.7, -0.3)	-0.6 [‡] (-0.8, -0.4)
% of Patients (n/N) achieving A1C < 7%	6% (8/126)	27% (32/123)	26% (33/127)	30% (38/123)	36% (47/126)	55% (71/127)	53% (69/124)	60% (76/125)
FPG (mg/dL)								
Baseline (mean)	177	184	177	175	181	179	179	178
Change from baseline (adjusted mean) [†] with 95% confidence interval	7	-19	-24	-29	-32	-38 [‡]	-42 [‡]	-53 [‡]
Difference from pioglitazone (adjusted mean [†] with 95% confidence interval)						-14 [‡] (-24, -5)	-13 [‡] (-23, -3)	-20 [‡] (-30, -11)
Difference from alogliptin (adjusted mean [†] with 95% confidence interval)							-19 [‡] (-29, -10)	-23 [‡] (-33, -13)

*Intent-to-treat population using last observation carried forward.
[†]Least squares means adjusted for treatment, geographic region, metformin dose and baseline value.
[‡]p<0.01 when compared to pioglitazone and alogliptin alone.

Figure 3. Change from Baseline in A1C at Week 26 with Alogliptin and Pioglitazone Alone and Alogliptin in Combination with Pioglitazone when Added to Metformin

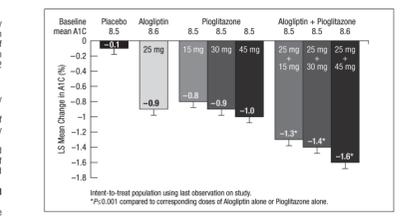


Figure 3A. Change from Baseline in A1C at Week 26 with Alogliptin and Pioglitazone Alone and Alogliptin in Combination with Pioglitazone when Added to Metformin

In a 52-week, active-comparator study, a total of 803 patients inadequately controlled (mean baseline A1C = 8.2%) on a current regimen of pioglitazone 30 mg and metformin at least 1500 mg per day or at the maximum tolerated dose were randomized to either receive the addition of alogliptin 25 mg or the titration of pioglitazone 30 mg to 45 mg following a four-week, single-blind, placebo run-in period. Patients were maintained on a stable dose of metformin (median dose=1700 mg). Patients who failed to meet prespecified hyperglycemic goals during the 52-week treatment period received glycemic rescue therapy. In combination with pioglitazone and metformin, alogliptin 25 mg was shown to be statistically superior in lowering A1C and FPG compared with the titration of pioglitazone from 30 mg to 45 mg at Week 26 and Week 52 (Table 12, results shown only for Week 52). A total of 11% of patients who were receiving alogliptin 25 mg in combination with pioglitazone 30 mg and metformin and 22% of patients receiving a dose titration of pioglitazone from 30 mg to 45 mg in combination with metformin required glycemic rescue. Improvements in A1C were not affected by gender, age, race or baseline BMI. The mean increase in body weight was similar in both treatment arms. Lipid effects were neutral.

Table 12. Glycemic Parameters at Week 52 in an Active-Controlled Study of Alogliptin as Add-On Combination Therapy to Metformin and Pioglitazone*

	Alogliptin 25 mg + Pioglitazone 30 mg + Metformin N=397	Pioglitazone 45 mg + Metformin N=394
A1C (%)		
Baseline (mean)	8.2	8.1
Change from Baseline (adjusted mean) [†]	-0.7	-0.3
Difference from Pioglitazone 45 mg + Metformin (adjusted mean [†] with 95% confidence interval)		
-0.4 [‡] (-0.5, -0.3)		
% of Patients (n/N) achieving A1C < 7%	33% (134/404) [§]	21% (85/399)
FPG (mg/dL)		
Baseline (mean)	162	162
Change from Baseline (adjusted mean) [†]	-15	-4
Difference from Pioglitazone 45 mg + Metformin (adjusted mean [†] with 95% confidence interval)		
-11 [‡] (-16, -6)		

*Intent-to-treat population using last observation on study.
[†]Least squares means adjusted for treatment, baseline value, geographic region and baseline metformin dose.
[‡]Noninferior and statistically superior to metformin plus pioglitazone at the 0.025 one-sided significance level.
[§]p<0.01 compared to pioglitazone 45 mg + metformin.

Alogliptin Add-On Therapy to a Thiazolidinedione

A 26-week, placebo-controlled study was conducted to evaluate the efficacy and safety of alogliptin as add-on therapy to pioglitazone in patients with type 2 diabetes. A total of 653 patients inadequately controlled on a thiazolidinedione alone or in combination with metformin or a sulfonylurea (mean baseline A1C = 8%) were randomized to receive alogliptin 12.5 mg, alogliptin 25 mg or placebo. Patients were maintained on a stable dose of metformin (median dose = 2000 mg) or sulfonylurea (median dose = 10 mg) prior to randomization into the combination therapy during the treatment period. All patients entered into a four-week, single-blind, placebo run-in period prior to randomization. Following randomization, all patients continued to receive instruction on diet and exercise. Patients who failed to meet prespecified hyperglycemic goals during the 26-week treatment period received glycemic rescue. The addition of alogliptin 25 mg once daily to pioglitazone therapy resulted in significant improvements from baseline in A1C and FPG at Week 26 when compared to the addition of placebo (Table 13). A total of 8% of patients who were receiving alogliptin 25 mg and 12% of patients receiving placebo required glycemic rescue. The mean increase in body weight was similar between alogliptin and placebo when given in combination with pioglitazone. Lipid effects were neutral.

Table 13. Glycemic Parameters at Week 26 in a Placebo-Controlled Study of Alogliptin as Add-On Therapy to Pioglitazone*

	Alogliptin 25 mg + Pioglitazone ± Metformin ± Sulfonylurea N=195	Placebo ± Metformin ± Sulfonylurea N=95
A1C (%)		
Baseline (mean)	8	8
Change from baseline (adjusted mean) [†]	-0.8	-0.2
Difference from placebo (adjusted mean [†] with 95% confidence interval)		
-0.6 [‡] (-0.8, -0.4)		
% of Patients (n/N) achieving A1C < 7%	49% (98/199) [§]	34% (33/97)
FPG (mg/dL)		
Baseline (mean)	170	172
Change from baseline (adjusted mean) [†]	-20	-6
Difference from placebo (adjusted mean [†] with 95% confidence interval)		
-14 [‡] (-23, -5)		

*Intent-to-treat population using last observation on study.
[†]Least squares means adjusted for treatment, baseline value, geographic region, baseline treatment regimen (pioglitazone, pioglitazone + metformin or pioglitazone + sulfonylurea) and baseline pioglitazone dose.
[‡]p<0.01 compared to placebo.

Cardiovascular Safety Trial

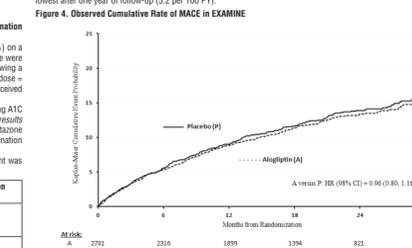
A randomized, double-blind, placebo-controlled cardiovascular outcomes trial (EXAMINE) was conducted to evaluate the cardiovascular risk of alogliptin. The trial compared the risk of major adverse cardiovascular events (MACE) between alogliptin (N=2701) and placebo (N=2679) when added to standard of care therapies for diabetes and atherosclerotic vascular disease (ASVD). The trial was event driven and patients were followed until a sufficient number of primary outcome events accrued. Eighty patients were adults with type 2 diabetes who had inadequate glycemic control at baseline (e.g., HbA1c >6.5%) and had been hospitalized for an acute coronary syndrome event (e.g., acute myocardial infarction or unstable angina requiring hospitalization) 15 to 90 days prior to randomization. The dose of alogliptin was based on estimated renal function at baseline per dosage and administration recommendations (See Dosage and Administration (2.2)). The average time between an acute coronary syndrome event and randomization was approximately 48 days. The mean age of the population was 61 years. Most patients were male (86%), Caucasian (73%), and were recruited from outside of the United States (86%). Asian and Black patients contributed 20% and 4% of the total population, respectively. At the time of randomization patients had a diagnosis of type 2 diabetes mellitus for approximately 9 years, 87% had a prior myocardial infarction and 14% were current smokers. Hypertension (83%) and renal impairment (27%) with an eGFR (mL/min/1.73 m²) were prevalent co-morbid conditions. Use of medications to treat diabetes (e.g., metformin 73%, sulfonylurea 54%, insulin 41%), and ASVD (e.g., statin 94%, aspirin 93%, renin-angiotensin system blocker 88%, beta-blocker 87%) was similar between patients randomized to alogliptin and placebo at baseline. During the trial, medications to treat diabetes and ASVD could be adjusted to ensure care for these conditions adhered to standard of care recommendations set by local practice guidelines. The primary endpoint in EXAMINE was the time to first occurrence of a MACE defined as the composite of cardiovascular death, nonfatal myocardial infarction (MI), or nonfatal stroke. The study was designed to exclude a pre-specified risk margin of 1.3 for the hazard ratio of MACE. The median exposure to study drug was 526 days and 95% of the patients were followed to study completion or death. Table 14 shows the study results for the primary MACE composite endpoint and the contribution of each component to the primary MACE endpoint. The upper bound of the confidence interval was 1.16 and excluded a risk margin larger than 1.3.

Table 14. Patients with MACE in EXAMINE

Composite of first event of CV death, nonfatal MI or nonfatal stroke (MACE)	Alogliptin		Placebo		Hazard Ratio (95% CI)
	Number of Patients (%)	Rate per 100 PY	Number of Patients (%)	Rate per 100 PY	
N=2701			N=2679		
305 (11.3)		7.6	316 (11.8)		0.96 (0.80, 1.16)
CV Death	89 (3.3)	2.2	111 (4.1)		2.8
Non-fatal MI	187 (6.9)	4.6	173 (6.5)		4.3
Non-fatal stroke	29 (1.1)	0.7	32 (1.2)		0.8

The Kaplan-Meier based cumulative event probability is presented in Figure 4 for the time to first occurrence of the primary MACE composite endpoint by treatment arm. The curves for placebo and alogliptin overlap throughout the duration of the study. The observed incidence of MACE was highest within the first 60 days after randomization in both treatment arms (14.8 MACE per 100 PY), decreased from day 60 to the end of the first year (8.4 per 100 PY) and was lowest after one year of follow-up (5.2 per 100 PY).

Figure 4. Observed Cumulative Rate of MACE in EXAMINE



The rate of all cause death was similar between treatment arms with 153 (3.6 per 100 PY) recorded among patients randomized to alogliptin and 173 (4.1 per 100 PY) among patients randomized to placebo. A total of 112 deaths (2.9 per 100 PY) among patients on alogliptin and 130 among patients on placebo (3.5 per 100 PY) were adjudicated as cardiovascular deaths.

16 HOW SUPPLIED/STORAGE AND HANDLING

Pioglitazone and pioglitazone tablets are available in the following strengths and packages:
 25 mg/15 mg tablet: yellow, round, biconvex and film-coated with both "A/P" and "25/15" printed on one side, available in:
 NDC 45802-351-65 Bottles of 30 tablets
 25 mg/30 mg tablet: peach, round, biconvex and film-coated with both "A/P" and "25/30" printed on one side, available in:
 NDC 45802-402-65 Bottles of 30 tablets
 25 mg/45 mg tablet: red, round, biconvex and film-coated with both "A/P" and "25/45" printed on one side, available in:
 NDC 45802-499-65 Bottles of 30 tablets
 12.5 mg/15 mg tablet: pale yellow, round, biconvex and film-coated with both "A/P" and "12.5/15" printed on one side, available in:
 NDC 45802-238-65 Bottles of 30 tablets
 12.5 mg/30 mg tablet: pale peach, round, biconvex and film-coated with both "A/P" and "12.5/30" printed on one side, available in:
 NDC 45802-260-65 Bottles of 30 tablets
 12.5 mg/45 mg tablet: pale red, round, biconvex and film-coated with both "A/P" and "12.5/45" printed on one side, available in:
 NDC 45802-304-65 Bottles of 30 tablets

Storage

Store at 20°C (77°F); excursions permitted to 15° to 30°C (59° to 86°F) [see USP Controlled Room Temperature]. Keep container tightly closed and protect from moisture and humidity.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide). Inform the patient of the potential risks and benefits of alogliptin and pioglitazone tablets. Patients should be informed of the signs and symptoms of heart failure. Patients who experience an unusually rapid increase in weight or edema or who develop shortness of breath or other symptoms of heart failure while on alogliptin and pioglitazone tablets should immediately report these symptoms to their physician. Before initiating alogliptin and pioglitazone tablets, patients should be asked about a history of heart failure or other risk factors for heart failure including moderate to severe renal impairment. Patients should be informed that acute pancreatitis has been reported during use of alogliptin. Patients should be informed that persistent, severe abdominal pain, sometimes radiating to the back, which may or may not be accompanied by vomiting, is the hallmark symptom of acute pancreatitis. Patients should be instructed to promptly discontinue alogliptin and pioglitazone tablets and contact their physician if they experience this symptom. Before initiating alogliptin and pioglitazone tablets, patients should be informed that allergic reactions have been reported during use of alogliptin and pioglitazone. Symptoms of allergic reactions (including skin rash, hives and swelling of the face, lips, tongue and throat) that may cause difficulty in breathing or swallowing should be reported to the physician and patients should be instructed to discontinue alogliptin and pioglitazone tablets and seek medical advice promptly. Patients should be informed that postmarketing reports of liver injury, sometimes fatal, have been reported during use of alogliptin and pioglitazone. If signs or symptoms of liver injury occur (e.g., unexplained nausea, vomiting, abdominal pain, fatigue, anorexia or dark urine), patients should be instructed to discontinue alogliptin and pioglitazone tablets and seek medical advice promptly. Tell patients to promptly report any sign of macroscopic hematuria or other symptoms such as dysuria or urinary urgency that develop or increase during treatment, as these may be due to bladder cancer. Inform patients that hypoglycemia can occur, particularly when an insulin secretagogue or insulin is used in combination with alogliptin and pioglitazone tablets. Explain the risks, symptoms and appropriate management of hypoglycemia. Inform female patients that treatment with pioglitazone, like other thiazolidinediones, may result in an unintended pregnancy in some premenopausal anovulatory females due to its effect on ovulation (See Use in Specific Populations (6.3)). Inform patients that severe and disabling joint pain may occur with this class of drugs. The time to onset of symptoms can range from one day to years. Instruct patients to seek medical advice if severe joint pain occurs. Inform patients that bullous pemphigoid may occur with this class of drugs. Instruct patients to seek medical advice if blisters or erosions occur (See Warnings and Precautions (5.1)). Instruct patients to take alogliptin and pioglitazone tablets only as prescribed daily. Alogliptin and pioglitazone tablets can be taken with or without meals. If a dose is missed, advise patients not to double their next dose. Patients should be informed that the tablets must never be split. Instruct patients to read the Medication Guide before starting alogliptin and pioglitazone tablets therapy and to reread each time the prescription is refilled. Instruct patients to return their healthcare provider if an unusual symptom develops or if a symptom persists or worsens.

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MEDICATION GUIDE

Alogliptin and Pioglitazone Tablets

Read this Medication Guide carefully before you start taking alogliptin and pioglitazone tablets and each time you get a refill. There may be new information. This information does not take the place of talking with your doctor about your medical condition or your treatment. If you have any questions about alogliptin and pioglitazone tablets, ask your doctor or pharmacist.

What is the most important information I should know about alogliptin and pioglitazone tablets?

Alogliptin and pioglitazone tablets can cause serious side effects, including:
 1. **Heart failure:** Alogliptin and pioglitazone tablets can cause heart failure and cause your body to keep extra fluid (fluid retention), which leads to swelling (edema) and weight gain. Extra body fluid can make some heart problems worse or lead to heart failure. **Before you start taking alogliptin and pioglitazone tablets:** Tell your doctor if you have ever had heart failure or have problems with your kidneys. **Call your doctor right away if you have any of the following symptoms:**

- shortness of breath or trouble breathing, especially when you lie down
- an unusually fast increase in weight

- swelling or fluid retention, especially in the feet, ankles, or legs. These may be symptoms of heart failure.

2. Inflammation of the pancreas (pancreatitis): Alogliptin, one of the medicines in alogliptin and pioglitazone tablets, may cause pancreatitis, which may be severe. Certain medical conditions make you more likely to get pancreatitis.

Before you start taking alogliptin and pioglitazone tablets: Tell your doctor if you have ever had:

- pancreatitis
- kidney problems
- liver problems

Stop taking alogliptin and pioglitazone tablets and call your doctor right away if you have pain in your stomach area (abdomen) that is severe and will not go away. The pain may be felt going from your abdomen through to your back. The pain may happen with or without vomiting. These may be symptoms of pancreatitis.

What are alogliptin and pioglitazone tablets?

- Alogliptin and pioglitazone tablets contain 2 prescription diabetes medicines, alogliptin (NESINA) and pioglitazone (ACTOS).
- Alogliptin and pioglitazone tablets are a prescription medicine used along with diet and exercise to improve blood sugar (glucose) control in adults with type 2 diabetes.
- Alogliptin and pioglitazone tablets are not for people with type 1 diabetes.
- Alogliptin and pioglitazone tablets are not for people with diabetic ketoacidosis (increased ketones in blood or urine).

It is not known if alogliptin and pioglitazone tablets are safe and effective in children under the age of 18. Alogliptin and pioglitazone tablets are not recommended for use in children.

Who should not take alogliptin and pioglitazone tablets?

Do not take alogliptin and pioglitazone tablets if you:

- have severe heart failure
 - are allergic to alogliptin (NESINA), pioglitazone (ACTOS) or any ingredient in alogliptin and pioglitazone tablets or have had a serious allergic (hypersensitivity) reaction to alogliptin or pioglitazone. See the end of this Medication Guide for a complete list of the ingredients in alogliptin and pioglitazone tablets.
- Symptoms of a serious allergic reaction to alogliptin and pioglitazone tablets may include:
 - swelling of your face, lips, throat and other areas on your skin
 - difficulty with swallowing or breathing
 - raised, red areas on your skin (hives)
 - skin rash, itching, flaking or peeling

If you have these symptoms, stop taking alogliptin and pioglitazone tablets and contact your doctor or go to the nearest hospital emergency room right away.

What should I tell my doctor before and during treatment with alogliptin and pioglitazone tablets?

- Before you start taking alogliptin and pioglitazone tablets, tell your doctor if you:
 - have heart failure
 - have a type of diabetic eye disease that causes swelling of the back of the eye (macular edema)
 - have kidney or liver problems
 - have or have had inflammation of the pancreas (pancreatitis)
 - have or have had cancer of the bladder
 - have other medical conditions
- **are pregnant or plan to become pregnant.** It is not known if alogliptin and pioglitazone tablets can harm your unborn baby. Talk to your doctor about the best