For the use of a registered medical practitioner or a hospital or a laboratory only

Dapagliflozin & Sitagliptin Tablets

DAPA®NÊ-S

Composition:
Each film coated tablet contains:
Dapagliflozin Propanediol USP
eq. to Dapagliflozin
Stragliptin Phosphate Monohydrate IP
eq. to Sitagliptin 50 mg
Excinients Excipients Colour: Titanium Dioxide IP q.s

Composition:
Each film coated tablet contains:
Dapagliflozin Propanediol USP
eq. to Dapagliflozin
Sitagliptin Phosphate Monohydrate IF
eq. to Sitagliptin 100 0 10 mg 100 mg q.s

Excipients
Colour: Titanium Dioxide IP

DOSAGE FORM

DESCRIPTION

Tablet

Dapagiflozin
Chemical Formula: C21H25ClO6+C3H8O2+H2O
Molecular Weight: 502.98 g/mol
Therapeutic Categories: sodium-glucose co-transporter 2 (SGLT2) inhibitor.
Chemical Name: D-glucid, 1,5-anhydro-1-C-[4-chloro-3-[(4-ethoxyphenyl)] , xyphenyl)methyl]phenyl]-, (1S)-, compounded with (2S)-1,2-propanediol, hydrate.

Sitagliptin

Chemical Formula: C16H15F6N5OH3PO4H2O
Molecular Weight: Average: 523.32 g/mol
Therapeutic Categories: oral antihyperglycemic
ChemicalName: 7-[(3R)-3-amino-1-oxo-4-(2.4,5-trifluorophenyl)butyl]-5,6,7,8¬tetrahydro-3-(trifluoromethyl)-1,2,4-triazolo[4,3-a]pyrazine phosphate (1:1) monohydrate.

INDICATION

As adjunct to diet and exercise to improve glycemic control in adults with type-II diabetes DOSAGE AND ADMINISTRATION Dosage: Twice a day or as directed by registered medical practitioner.

USE IN SPECIAL POPULATIONS DAPAGLIFLOZIN
Pregnancy Risk Summary Based on animal data showing adverse renal effects, Dapagliflozin is not recommended during the second and third trimesters of pregnancy,
Limited data with dapagliflozin in pregnant women are not sufficient to determine drug-associated risk for major birth defects or miscarriage. There are risks to the mother
and fetus associated with poorly controlled diabetes in pregnancy.
In animal studies, adverse renal pelvic and tubule dilatations, that were not fully reversible, were observed in rats when dapagliflozin was administered during a period of
renal development corresponding to the late second and third trimesters of human pregnancy, at all doses tested; the lowest of which provided an exposure 15-times the
10 mg clinical dose.

The estimated background risk of major birth defects is 6 to 10% in women with pre- gestational diabetes with a HbA1c greater than 7% and has been reported to be as
high as 20 to 25% in women with HbA1c greater than 10%. The estimated background risk of 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 to 4% and 15 to 20%, respectively.

Clinical Considerations
Disease-associated maternal and/or embryo fetal risk

population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2 to 4% and 15 to 20%, respectively. Clinical Considerations
Disease-associated maternal and/or embryo fetal risk
Poorly controlled diabetes in pregnancy increases the maternal risk for diabetic ketoacidosis, preeclampsia, spontaneous abortions, preterm delivery and delivery complications. Poorly controlled diabetes increases the fetal risk for major birth defects, stillbirth, and macrosomia related morbidity.
Data Animal Data
Dapagliflozin dosed directly to juvenile rats from postnatal day (PND) 21 until PND 90 at doses of 1, 15, or 75 mg/kg/day, increased kidney weights and increased the incidence of renal pelvic and tubular dilatations at all dose levels. Exposure at the lowest dose tested was 15- times the 10 mg clinical dose (based on AUC). The renal pelvic and tubular dilatations observed in juvenile animals did not fully reverse within a 1-month recovery period.
In a prenatal and postnatal development study, dapagliflozin was administered to maternal rats from gestation day 6 through lactation day 21 at doses of 1, 15, or 75 mg/kg/day, and pups were indirectly exposed in utero and throughout lactation. Increased incidence or severity of renal pelvic dilatation was observed in 21-day-old pups offspring of treated dams at 75 mg/kg/day (maternal and pup dapagliflozin exposures were 1415-times and 137-times, respectively, the human values at the 10 mg clinical dose, based on AUC). Dose-related reductions in pup body weights were observed at greater or equal to 29-times the 10 mg clinical dose (based on AUC). No adverse effects on development in rats that corresponds to the late second and third trimester of human development.

In embryo fetal development studies in rats and rabbits, dapagliflozin was administered throughout organogenesis, corresponding to the first trimester of human pregnancy. In rats, dapagliflozin was neither embryo lethal nor teratogenic at doses up to 75 mg/kg/day (14

KINK SUMMARY
There is no information regarding the presence of dapagliflozin in human milk, the effects on the breastfed infant, or the effects on milk production. Dapagliflozin is present in the milk of

lactating rats. However, due to species specific differences in lactation physiology, the clinical relevance of these data are not clear. Since human kidney, maturation occurs in utero and during the first 2 years of life when lactational exposure may occur, there may be risk to the developing human kidney.

Because of the potential for serious adverse reactions in breastfed Infants, advise women that use of dapagliflozin is not recommended while breastfeeding.

Data
Dapagliflozin was present in rat milk at a milk/plasma ratio of 0.49, indicating that dapagliflozin and its metabolites are transferred into milk at a concentration that is approximately 50% of that in maternal plasma, Juvenile rats directly exposed to dapagliflozin showed risk to the developing kidney (renal pelvic and tubular dilatations) during maturation. Pediatric Use
Safety and effectiveness of dapagliflozin in pediatric patients under 18 years of age have not been established.

Geriatric Use
No dapagliflozin dosage change is recommended based on age. A total of 1424 (24%) of the 5936 dapagliflozin -treated patients were 65 years and older and 207 (3.5%) patients were 75 years and older in a pool of 21 double-blind, controlled, clinical studies assessing the efficacy of dapagliflozin in improving dycemic control. After controlling for level of renal function (eGFR), efficacy was similar for patients under age 65 years and those 65 years and older. In patients ≥65 years of age, a higher proportion of patients treated with dapagliflozin had adverse reactions of hypotension.

Renal Impairment

Use of dapagliflozin is not recommended when eGFR is less than 45 mL/min/1.73 m2 and is contraindicated in patients with severe renal impairment (eGFR less than 30 to the properties of the properties of the patients were renal impairment (eGFR less than 30 to the properties of the patients were renal impairment (eGFR less than 30 to the properties of the properties of the properties of the patients were renal impairment (eGFR less than 30 to the propertie

proportion of patients treated with dapagliflozin had adverse reactions of hypotension. Renal Impairment
Use of dapagliflozin is not recommended when eGFR is less than 45 mL/min/1.73 m2 and is contraindicated in patients with severe renal impairment (eGFR less than 30 mL/min/1.73 m2) or ESRD.
Dapagliflozin was evaluated in two glycemic control studies that included patients with moderate renal impairment (an eGFR of 45 to less than 60 mL/min/1.73 m2 and an eGFR of 30 to less than 60 mL/min/1.73 m2, respectively). The safety profile of dapagliflozin in the study of patients with an eGFR of 45 to less than 60 mL/min/1.73 m2 was similar to the general population of patients with type 2 diabetes. Although patients in the dapafliflozin arm had reduction in eGFR compared to the placebo arm, eGFR generally returned towards baseline after treatment discontinuation. Patients with renal impairment using dapagliflozin for glycemic control may also be more likely to experience hypotension and may be at higher risk for acute kidney injury. In the study of patients with an eGFR 30 to less than 60 mL/min/1.73 m2, 13 patients receiving dapagliflozin experienced bone fractures compared to none receiving placebo. Hepatic Impairment
Nodes adjustment is recommended for patients with mild, moderate, or severe hepatic impairment. However, the benefit-risk for the use of dapagliflozin in patients with severe hepatic impairment should be individually assessed since the safety and efficacy of dapagliflozin have not been specifically studied in this population.

Sitagliptin Pregnancy
Pregnancy Category B: Reproduction studies have been performed in rats and rabbits. Doses of sitagliptin up to 125 mg/kg (approximately 12 times the human exposure at the maximum

recommended human dose) did not impair fertility or harm the fetus. There are, however, no adequate and well-controlled studies in pregnant women. Because animal reproduction studies are not always predictive of human response, this drug should be used during pregnancy only if clearly needed. Merck Sharp & Dohme Corp., a subsidiary of Merck & Co., Inc., maintains a registry to monitor the pregnancy outcomes of women exposed to SITAGLIPTIN while pregnant. Health care providers are encouraged to report any prenatal exposure. Sitagliptin administered to pregnant female rats and rabbits from gestation day 6 to 20 (organogenesis) was not teratogenic at oral doses up to 250 mg/kg (rats) and 125 mg/kg (rabbits), or approximately 30- and 20-limes human exposure at the maximum recommended human dose (MRHD) of 100 mg/kg based on AUC comparisons, Higher doses increased the incidence of rib malformations in offspring at 1000 mg/kg or approximately 100 times human exposure at the MRHD. Sitagliptin administered to female rats from gestation day 6 to lactation day 21 decreased body weight in male and female offspring at 1000 mg/kg. No functional or behavioral toxicity was observed in offspring of rats. Placental transfer of sitagliptin administered to pregnant rats was approximately 45% at 2 hours and 80% at 24 hours. Nursing Mothers Sitagliptin is secreted in the milk of lactating rats at a milk to plasma ratio of 4:1. It is not known whether sitagliptin is excreted in human milk. Because many drugs are excreted in human milk. Caution should be exercised when SITAGLIPTIN is administered to a nursing woman.

Pediatric Use Safety and effectiveness of SITAGLIPTIN in pediatric patients under 18 years of age have not been established. 8.5 Geriatric Use Of the total number of subjects (N=3884) in pre-approval clinical safety and efficacy studies of SITAGLIPTIN. 725 patients were 65 years and over, while 61 patients were 75 years and over. No overall differences in safety or effectiveness were observed between subjects 65 years and

CONTRA-INDICATION

Dapagliflozin Propanediol monohydrate Eq. to Dapagliflozin 5mg /10mg + Sitagliptin phosphate monohydrate IP eq. to sitagliptin 100mg /100mg film contraindicated in

patients with: History of a serious hypersensitivity reaction to dapagliflozin, such as anaphylactic reactions or angioedema. Severe renal impairment, (eGFR less than 30 mL/min/1,73 m2) end-stage renal disease (ESRD), or patients on dialysis.

WARNINGS AND PRECAUTIONS DAPAGLIFLOZIN

Hypotension
Dapagliflozin causes intravascular volume contraction. Symptomatic hypotension can occur after initiating dapagliflozin particularly in patients with impaired renal function (eGFR less than 60 mL/min/1.73 m2), elderly patients, or patients on loop diuretics. Before initiating dapagliflozin in patients with one or more of these characteristics, volume status should be assessed and corrected. Monitor for signs and symptoms of hypotension after initiating therapy.
Ketoacidosis

(eGFR less than 60 mL/min/1.73 m2), etderty patients, or patients on loop diuretics. Before initiating dapaginizon in patients with one or more of these characteristics, volume status should be assessed and corrected. Monitor for signs and symptoms of hypotension after initiating therapy.

Ketoacidosis
Reports of ketoacidosis, a serious life-threatening condition requiring urgent hospitalization have been identified in patients with type 1 and type 2 diabetes mellitus receiving sodium- glucose cotransporter 2 (SGLT2) inhibitors, including dapagifilozin. Fatal cases of ketoacidosis have been reported in patients taking dapagifilozin. Dapagifilozin is not indicated for the treatment of patients with type 1 diabetes mellitus.

Patients treated with dapagifilozin who present with signs and symptoms consistent with severe metabolic acidosis should be assessed for ketoacidosis regardless of presenting blood glucose levels as ketoacidosis agendinosis regardless of suspensed to the several services of the several services of the several services than 250 mg/dL, lk ketoacidosis is suspected, dapagifilozin should be discontinued, the patient should be evaluated, and prompt treatment should be instituted. Treatment of ketoacidosis may require insulin, fluid, and carbohydrate replacement.

In many of the post marketing reports, and particularly in patients with type 1 diabetes, the presence of ketoacidosis was not immediately recognized, and the institution treatment was delayed because the presenting blood glucose levels were below those typically expected for diabetic ketoacidosis (often less than 250 mg/dL). Signs an symptoms at presentation were consistent with dehydration and severe metabolic acidosis and included nausea, vomiting, abdominal pain, generalized malaise, and shortness of breath. In some but not all cases, factors predisposing to ketoacidosis, such as insulin dose reduction, acute febrile illness, reduced caloric intake, surgery, pancreatic disorders suggesting insulin deficiency (e.g., type 1 diabetes,

Dapagliflozin causes intravascular volume contraction, and can cause acute kidney injury. There have been post marketing reports of acute kidney injury, some requiring hospitalization and dialysis, in patients receiving dapagliflozin. Increases in serum creatinine and decreases in estimated GFR may also be observed with initiation of dapagliflozin. Elderly patients and patients with impaired renal function may be more susceptible to these changes. Before initiating dapagliflozin, consider factors that may predispose patients to acute kidney injury including hypovolemia, chronic renal insufficiency, congestive heart failure and concomitant medications (duretics, ACE inhibitors, ARBs, NSAIDs). Consider temporarily discontinuing dapagliflozin in the setting of reduced oral intake (such as acute illness or fasting) or fluid losses (such as gastrointestinal illness or excessive heat exposure); monitor patients for signs and symptoms of acute kidney injury. If acute kidney injury considers dapagliflozin promptly and institute treatment. Renal function should be evaluated prior to initiation of dapagliflozin and monitored periodically thereafter. Use of dapagliflozin is not recommended when the eGFR is less than 45 mLmini/1.73 m2. and is contraindicated in patients with an eGFR less than 30 mL/min/1.73 m2.
Urosepsis and Pyelonephritis
There have been post marketing reports of serious urinary tract infections including urosepsis and pyelonephritis requiring hospitalization in patients receiving SGLT2 inhibitors, including dapagliflozin. Treatment with SGLT2 inhibitors increases the risk for urinary tract infections, and treat promptly, if indicated.
Hypoglycemia with Concomitant Use with Insulin and Insulin Secretagogues with Clark in the promotion of the principle of the principle

dapagliflozin, dosely monitor blood glucose levels, and provide appropriate alternative therapy for glycemic control.

Genital Mycotic Infections
Dapagliflozin increases the risk of genital mycotic infections. Patients with a history of genital mycotic infections were more likely to develop genital mycotic infections.

Sitagliptin
Pancreatitis There have been postmarketing reports of acute pancreatitis, including fatal and non-fatal hemorrhagic or necrotizing pancreatitis, in patients taking
SITAGLIPTIN. After initiation of SITAGLIPTIN, patients should be observed carefully for signs and symptoms of pancreatitis. If pancreatitis is suspected, SITAGLIPTIN
should promptly be discontinued and appropriate management should be initiated. It is unknown whether patients with a history of pancreatitis are at increased risk for
development of pancreatitis while using SITAGLIPTIN.

Renal Impairment Assessment of renal function is recommended prior to initiating SITAGLIPTIN and periodically thereafter. A dosage adjustment is recommended in patients with moderate or severe renal insufficiency and in patients with ESRD requiring hemodialysis or peritoneal dialysis. [See Dosage and Administration (2.2); Clinical Pharmacology (12.3).] Caution should be used to ensure that the correct dose of SITAGLIPTIN is prescribed for patients with moderate.

Use with Medications Known to Cause Hypoglycemia When SITAGLIPTIN was used in combination with a sulfonylurea or with insulin, medications known to cause hypoglycemia, the incidence of hypoglycemia was increased over that of placebo used in combination with a sulfonylurea or with insulin. [See Adverse Reactions (6.1).] Therefore, a lower dose of sulfonylurea or insulin may be required to reduce the risk of hypoglycemia.

Hypersensitivity Reactions There have been postmarketing reports of serious hypersensitivity reactions in patients treated with SITAGLIPTIN. These reactions including Applyaxis, angioedema, and exfoliative skin conditions including Stevens-Johnson syndrome. Because these reactions are reported voluntarily from a population uncertain size, it is generally not possible to reliably estimate their frequency or establish a causal relationship to drug exposure. Onset of these reactions occurred the first 3 months after initiation of treatment with SITAGLIPTIN, with some reports occurring after first dose. If a hypersensitivity reaction is suspected, discontin SITAGLIPTIN, assess for other potential causes for the event, and institute alternative treatment for diabetes.

Macrovascular Outcomes There have been no clinical studies establishing conclusive evidence of macrovascular risk reduction with SITAGLIPTIN or any other antidiabetic drug.

ADVERSE REACTIONS The most common adver infections. rse reactions associated with dapagliflozin (5% or greater incidence) were female genital mycotic infections, nasopharyngitis, and urinary tract

infections. Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice. In controlled clinical studies as both monotherapy and combination therapy with metformin, pioglitazone, or rosiglitazone and metformin, incidence of adverse reactions, hypoglycemia, and discontinuation of therapy due to clinical adverse reactions with SITAGLIPTIN were similar to placebo. In combination with glimepiride, with or without metformin, the overall incidence of clinical adverse reactions with SITAGLIPTIN was higher than with placebo, in part related to a higher incidence of hypoglycemia the incidence of discontinuation due to clinical adverse reactions was similar to placebo.

OVERDOSAGE DAPAGLIFLOZIN
There were no reports of overdose during the clinical development program for dapagliflozin. In the event of an overdose, contact the Poison Control Center, It is also reasonable to employ supportive measures as dictated by the patient's clinical status. The removal of dapagliflozin by hemodialysis has not been studied.

SITAGLIPTIN
During controlled clinical trials in healthy subjects, single doses of up to 800 mg SITAGLIPTIN were administered. Maximal mean increases in QTc of 8.0 msec were observed in one study at a dose of 800 mg SITAGLIPTIN, a mean effect that is not considered clinically important [see Clinical Pharmacology (12.2)]. There is no experience with doses

above 800 mg in clinical studies. In Phase I multiple-dose studies, there were no dose-related clinical adverse reactions observed with SITAGLIPTIN with doses of up to 600 mg per day for periods of up to 10 days and 400 mg per day for up to 28 days. In the event of an overdose, it is reasonable to employ the usual supportive measures, e.g., remove unabsorbed material from the gastrointestinal tract, employ clinical monitoring (including obtaining an electrocardiogram), and institute supportive therapy as dictated by the patient's clinical status. Sitagliptin is modestly dialyzable. In clinical statudies, approximately 13.5% of the dose was removed over a 3-to 4-hour hemodialysis session. Prolonged hemodialysis may be considered if clinically appropriate. It is not known if sitagliptin is dialyzable by peritoneal dialysis.

CLINICAL PHARMACOLOGY DAPAGLIFLOZIN

CLINICAL PHARMACOLOGY DAPAGLIFLOZIN
Mechanism of Action Sodium-glucose cotransporter 2 (SGLT2), expressed in the proximal
renal tubules, is responsible for the majority of the reabsorption of filtered glucose from the tubular lumen. Dapagliflozin is an inhibitor of SGLT2. By inhibiting SGLT2,
dapagliflozin reduces reabsorption of filtered glucose and lowers the renal threshold for glucose, and thereby increases urinary glucose excretion. Dapagliflozin also
reduces sodium reabsorption and increases the delivery of sodium to the distal tubule. This may influence several physiological functions including, but not restricted to,
lowering both pre- and afterload of the heart and downregulation of sympathetic activity.
Pharmacodynamics General
Increases in the amount of glucose excretion in the urine were observed in healthy subjects and in patients with type 2 diabetes mellitus following the administration of
dapagliflozin. Dapagliflozin doses of 5 or 10 mg per day in patients with type 2 diabetes mellitus for 12 weeks resulted in excretion of approximately 70 grams of glucose in
the urine per day at Week 12. A near maximum glucose excretion was observed at the dapagliflozin daily dose of 20 mg. This urinary glucose excretion with dapagliflozin
also results in increases in urinary volume. After discontinuation of dapagliflozin, on average, the elevation in urinary glucose excretion approaches baseline by about 3
days for the 10 mg dose.
Cardiac Electrophysiology
Dapagliflozin was not associated with clinically meaningful prolongation of QTc interval was observed following single doses of up to 500 mg (50-times the recommended maximum
dose) of dapagliflozin in alternative subjects. In addition, no clinically meaningful effect on QTc interval was observed following single doses of up to 500 mg (50-times the recommended maximum
dose) of dapagliflozin in healthy subjects.
Pharmacokinetics Absorption
Following or all administration of dapagliflozin, the maximum plasma concentration (Cmax) is usually attained within 2 hou

Friaminaconseus, Auxorption of dapagliflozin, the maximum plasma concentration (Cmax) is usually attained within 2 hours under fasting state. The Cmax and AUC values increase dose proportionally with increase in dapagliflozin dose in the therapeutic dose range. The absolute oral bioavailability of dapagliflozin following the administration of a 10 mg dose is 78%. Administration of dapagliflozin with a high-fat meal decreases its Cmax by up to 50% and prolongs Tmax by approximately 1 hour, but does not alter AUC as compared with the fasted state. These changes are not considered to be clinically meaningful and dapagliflozin can be administered with or without food.

Distribution

Distribution
Dapagliflozin is approximately 91% protein bound. Protein binding is not altered in patients with renal or hepatic impairment.
Metabolism
The metabolism of dapagliflozin is primarity mediated by UGT1A9; CYP-mediated metabolism is a minor clearance pathway in humans. Dapagliflozin is extensively metabolized, primarity to yield dapagliflozin 3-O-glucuronide, which is an inactive metabolite. Dapagliflozin 3-O-glucuronide accounted for 61% of a 50 mg [14C]-dapagliflozin dose and is the predominant drug-related component in human plasma.
Elimination
Dapagliflozin and related metabolites are primarity eliminated via the renal pathway.
Dapagliflozin and related metabolites are primarity eliminated via the renal pathway excreted in urine and feces, respectively. In urine, less than 2% of the dose is excreted as parent drug. In feces, approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug. In feces approximately 15% of the dose is excreted as parent drug.

SITAGLIPTIN

Mechanism of Action

Sitagliptin is a DPP-4 inhibitor, which is believed to exert its actions in patients with type 2 diabetes by slowing the inactivation of incretin hormones. Concentrations of the active intact hormones are increased by SITAGLIPTIN, thereby increasing and prolonging the action of these hormones, incretin hormones, including glucagon-like peptide-1 (GLP-1) and glucose- dependent insulinotropic polypeptide (GIP), are released by the intestine throughout the day, and levels are increased in response to a meal. These hormones are rapidly inactivated by the enzyme, DPP-4. The incretins are part of an odogenous system involved in the physiologic regulation of glucose homeostasis. When blood glucose concentrations are normal or elevated, GLP-1 and GIP increase insulin synthesis and release from pancreatic beta cells by intracellular signaling pathways involving cyclic AMP, GLP-1 also lowers glucagon secretion from pancreatic alpha cells, leading to reduced hepatic glucose production. By increasing and prolonging active incretin levels, SITAGLIPTIN increases insulin release and decreases glucagon levels in the circulation in a glucose-dependent manner. Sitagliptin demonstrates selectivity for DPP-4 and does not inhibit DPP-8 or DPP-9 activity in vitro at concentrations approximating those from therapeutic doses.

Pharmacodynamics General In patients with type 2 diabetes, administration of SITAGLIPTIN led to inhibition of DPP-4 enzyme activity for a 24-hour period, After an oral glucose load or a meal, this DPP-4 inhibition resulted in a 2- to 3-fold increase in circulating levels of active GLP-1 and GIP, decreased glucagon concentrations, and increased responsiveness of insulin release to glucose, resulting in higher C-peptide and insulin concentrations. The rise in insulin with the decrease in glucagon was associated with lower fasting glucose concentrations and reduced glucose excursion following an oral glucose load or a meal. In a two-day study in healthy subjects, sitagliptin alone increased active GLP-1 concentrations, whereas metformin alone increased active GLP-1 concentrations, whereas metformin alone increased active GLP-1 concentrations. Coadministration of istagliptin and metformin had an additive effect on active GLP-1 concentrations. Stagliptin, but not formin, increased active GLP concentrations. It is unclear now whes findings relate to changes in glycemic control in patients with type 2 diabetes. In studies with healthy subjects, SITAGLIPTIN did not lower blood glucose or cause

hypoglycemia. Cardiac Electrophysiology In a randomized, placebo-controlled crossover study, 79 healthy subjects were administered a single oral dose of SITAGLIPTIN 100 mg, SITAGLIPTIN 800 mg (8 times the recommended dose), and placebo. At the recommended dose of 100 mg, there was no effect on the QTc interval obtained at the peak plasma concentration, or at any other time during the study. Following the 800 mg dose, the maximum increase in the placebo-corrected mean change in QTc from baseline was observed at 3 hours postdose and was 8.0 msec. This increase is not considered to be clinically significant. At the 800 mg dose, peak sitagliptinplasma concentrations were approximately 11 times higher than the peak concentrations following a 100 mg dose. In patients with type 2 diabetes administered SITAGLIPTIN 100 mg (N=83) daily, there were no meaningful changes in QTc interval based on ECG data obtained at the time of expected peak plasma concentration.

Concentrations with expectations and the past concentration of the conce

DRUG INTERACTION DAPAGLIFLOZIN
Positive Urine Glucose Test
Monitoring glycemic control with urine glucose tests is not recommended in patients taking SGLT2 inhibitors as SGLT2 inhibitors increase urinary glucose excretion and will lead to positive urine glucose tests. Use alternative methods to monitor glycemic control.
Interference with 1,5-anhydrogluciol (1,5-AG) Assay
Monitoring glycemic control with 1,5-AG assay is not recommended as measurements of 1,5-AG are unreliable in assessing glycemic control in patients taking SGLT2 inhibitors. Use alternative methods to monitor glycemic control.

Digoxin There was a slight increase in the area under the curve (AUC, 11%) and mean peak drug concentration (Cmax, 18%) of digoxin with the co-ading sitagliptin for 10 days. Patients receiving digoxin should be monitored appropriately. No dosage adjustment of digoxin or SITAGLIPTIN is recommer

INCOMPATIBILITIES

No incompatibility study has been found

PACKAGING INFORMATION 10 tablets packed in an Alu-Alu blister. 2 tablets packed in an Alu-Alu blister.

SHELF LIFE Refer on carton.

orage: Store protected from light & oisture, at a temperature not ceeding 30°C.

Keep the medicine out of reach of children.

Mfg. Lic. No.: 68/UA/2009 Mfg License valid up to 21.11.2024

Manufactured by: Mascot Health Series Pvt. Ltd. Plot No. 79,80, Sec-6A, IIE, Sidcul, Haridwar-249403

Marketed by :

MSN Laboratories Private Limited

Plot No. 7-2-B 47 & B-48 Industrial Estate Sanathnagar, Fathenagar (V), Balanagar (M),

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