Glempa-MXR Tablets کلیمپا- ایم ایکس آر (Empadiffozin+Metformin HCLUSP) (Empagliflozin+Metformin HCl USP)

WARNING: LACTIC ACIDOSIS

Postmarketing cases of Metformin-associated lactic acidosis have resulted in death, hypothermia, hypotension, and resistant bradyarrhythmias. The onset of Metformin-associated lactic acidosis is often subtle, accompanied only by nonspecific symptoms such as malaise, myalgias, respiratory distress, somnolence, and abdominal pain. Metformin-associated lactic acidosis was characterized by elevated blood lactate levels (-5mmol/Liter), anion gap acidosis (without evidence of ketonuria or ketonemia), an increased lactate/gryuvate ratio: and Metformin plasmal levels generally >5mog/Liter).

Risk factors for Metformin-associated lactic acidosis include renal impairment, concomitant use of certain drugs (e.g., carbonic anhydrase inhibitors such as topiramate), age 65 years old or greater, having a radiological study with contrast, surgery and other procedures, hypoxic states (e.g., acute congestive heart failure), excessive alcohol intake, and hepatic impairment. - Steps are provided in the full prescribing information. If Metformin-associated lactic acidosis in these high risk groups are provided in the full prescribing information. If Metformin-associated lactic acidosis is suspected, immediately discontinue Glempa-MXR and institute general supportive measures in a hospital setting. Prompt hemodialysis is recommended.

COMPOSITION:

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Glempa-MXR 5mg/1000mg Tablets
Each film coated tablet contains:
Empagliffooti (as Immediate Release Coating) 5mg
Metformin HCl USP (as Extended Release Core) ... 1000mg [Innovator's Specs.]

DESCRIPTION: Empagliflozin: Empagliflozin is an inhibitor of the sodium-glucose co-transporter

2 (SGL12).

Metformin hydrochloride: Metformin hydrochloride (N,N-dimethylimidodicarbonimidic diamide

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high-fat meals increased systemic exposure to Metformin (as measured by area-under-the-curve [AUC]) by approximately 70% relative to fasting, while C_{max} is not affected. Meals prolonged T_{max}

by approximately 3 hours.

Empagliflozin: Absorption: After oral administration, peak plasma concentrations of Empagliflozin were reached at 1.5 hours post-dose. Thereafter, plasma concentrations declined in a biphasic manner with a rapid distribution phase and a relatively slow terminal phase. The steady-state mean plasma AUC and Cmax were 1870nmol/h/L and 259nmol/L, respectively, with 10mg Empaglifozin once daily treatment, and 4740nmol-h/L and 687nmol/L, respectively, with 25mg empagliflozin

once daily treatment.

Distribution: The apparent steady-state volume of distribution was estimated to be 73.8L based

Distribution: The apparent steady-state volume of distribution was estimated to be 73.8L based on a population pharmacokinetic analysis. Metabolism: No major metabolites of Empagliflozin were detected in human plasma and the most abundant metabolites were three glucuronide conjugates (2-O-, 3-O-, and 6-O-glucuronide). Systemic exposure of each metabolite was less than 10% of total drug-related material. Elimination: The apparent terminal elimination half-life of Empagliflozin was estimated to be 12.4 h and apparent oral clearance was 10.6 L/h based on the population pharmacokinetic analysis. Metformin hydrochloride: Absorption: Following a single oral dose of 100mg (2 x 50mg tablets) metformin hydrochloride extended-release after a meal, the time to reach maximum plasma Metformin concentration (T_{max}) is achieved at approximately 7 to 8 hours.

Distribution: The apparent volume of distribution of Metformin following single oral doses of immediate-release Metformin hydrochloride tablets 850mg averaged 654±358L. Metformin is negligibly bound to plasma proteins. Metformin particulate developments as function of time.

Metabolism: Intravenous single-dose studies in parend stylicate developments.

of time.

Metabolism: Intravenous single-dose studies in normal subjects demonstrate that Metformin does not undergo hepatic metabolism (no metabolites have been identified in humans) nor biliary

excretion. Elimination: Metformin has a plasma elimination half-life of approximately 6,2 hours. In blood, the elimination half-life is approximately 17.6 hours, suggesting that the erythrocyte mass may be a compartment of distribution.

CONTRAINDICATIONS: Empagliflozin and Metformin HCl Tablets are contraindicated in patients with: - Severe renal impairment (eGFR less than 30ml/min/1.73m²), end stage renal disease, or dialysis. - Acute or chronic metabolic acidosis, including diabetic ketoacidosis. - Hypersensitivity to Empagliflozin, Metformin or any of the excipients in Empagliflozin and Metformin HCl Tablets, reactions such as angioedema have occurred.

warnings and precederal any of the excipents in Enpagnings and weathing in the reactions such as angloedema have occurred.

Warnings and precaultions:

Ketoacidosis: Assess patients who present with signs and symptoms of metabolic acidosis for ketoacidosis. Assess patients who present with signs and symptoms of metabolic acidosis for ketoacidosis, regardless of blood glucose level. If suspected, discontinue Empagliflozin and Metformin HCI Tablets, evaluate and treat promptly. Before initiating Empagliflozin and Metformin HCI Tablets, consider risk factors for ketoacidosis. Patients on Empagliflozin and Metformin HCI Tablets, assess volume known to predispose to ketoacidosis.

Volume Depletion: Before initiating Empagliflozin and Metformin HCI Tablets, assess volume status and renal function in patients with impaired renal function, elderly patients, or patients on loop diuretics. Monitor for signs and symptoms during therapy.

Urosepsis and Pyelonephritis: Evaluate patients for signs and symptoms of urinary tract infections and treat promptly, if indicated.

Hypoglycemia: consider lowering the dose of insulin secretagogue or insulin to reduce the risk of hypoglycemia when initiating Empagliflozin and Metformin HCI Tablets. Necrotizing Fasciitis of the Perineum (Fournier's Gangrene): Serious, life-irreatening cases have occurred in both females and males. Assess patients presenting with pain or tenderness, erythema, or swelling in the genital or perineal area, along with fever or malaise. If suspected, institute prompt treatment.

institute prompt treatment. Hypersensitivity Reactions: Serious hypersensitivity reactions (e.g., angioedema) have occurred with Empagliflozin, If hypersensitivity reactions occur, discontinue Empagliflozin and Metformin HCI Tablets, treat promptly, and monitor until signs and symptoms resolve. Vitamin Bt2 Deficiency: Metformin may lower vitamin Bt2 levels. Monitor hematologic parameters

SIDE EFFECTS: The following are the side effects as described below:
-low blood sugar - gas - urinary tract infection - stomach discomfort - stuffy or runny nose and sore throat - indigestion - yeast infections in females - weakness - diarrhea - headache - nausea or vomiting.

DRUG INTERACTIONS: - Carbonic anhydrase inhibitors may increase risk of lactic acidosis. Consider more frequent monitoring. - Drugs that reduce Metformin clearance (such as ranolazine, vandetanib, dolutegravir, and cimetidine) may increase the accumulation of Metformin. Consider the benefits and risks of concomitant use. - Alcohol can potentiate the effect of Metformin on lactate metabolism. Warn patients against excessive alcohol intake.

lactate metabolism. Warn patients against excessive arconol intake.

OVERDOSE: Overdose of Metformin HGI has occurred, including ingestion of amounts greater than 50g. Lactic acidosis has been reported in approximately 32% of Metformin overdose cases. Metformin is dialyzable with a clearance of up to 170ml/min under good hemodynamic conditions. Therefore, hemodialysis may be useful for removal of accumulated drug from patients in whom Metformin overdosage is suspected.

INSTRUCTIONS: Store below 30°C, Protect from heat, light and moisture, Keep out of the reach

PRESENTATION:

PRESENTATION:
Glempa-MXR 5mg/1000mg Tablets are available in pack sizes of 14's.
Glempa-MXR 10mg/1000mg Tablets are available in pack sizes of 14's.
Glempa-MXR 12.5mg/1000mg Tablets are available in pack sizes of 14's.
Glempa-MXR 25mg/1000mg Tablets are available in pack sizes of 14's.

ہدایات: ۳۰ ڈگری سنٹی گریڈ ہے کم درجہ ترارت پر تھیں۔ گرمی روثنی اورنی سے بچائیں۔ بچوں کی پینی ہے دور تھیں۔

Manufactured by:

Manufactured by:
NABIQASIM INDUSTRIES (PVT.) LTD.
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