# TRIXIBET ER® EMPAGLIFLOZIN/LINAGLIPTIN/METFORMIN HCL

TRIXIBET® ER (EMPAGLIFLOZIN, LINAGLIPTIN, and METFORMIN HYDROCHLORIDE EXTENDED-RELEASE) F. C. TABLET FOR ORAL USE RATIEST - EX (EMPAGUEUCUS, LUAGUPUN, and MEFORMIN FYDROCHORDE SCHEDUE-RELEASE). C. HABLEFOR ORAL Read this patient information carefully before you sart taking Trixibet & Bocause it answers some common questions about Trixibet<sup>®</sup> ER. This medication is prescribed for your current condition, therefore do not use it in similar cases and do not recommend it to others. To report SUSPECTED ADVERSE REACTIONS, contact Noavaran Daroui Kimia Co. at +982164435789 or send email to medical@kimia-pharma.co Read this patient information carefully before you start taking Trixibet<sup>®</sup> ER because it contains important information for you. This leaflet does not take the place of talking with your healthcare provider about your medical condition or

you. This Ì treatment.

# Composition

- Composition Trixibet<sup>®</sup> Et Rabetes are available as follows: 5 mg Empagliflozin/2.5 mg Linagliptin/1000 mg Metformin HCl extended-release. 10 mg Empagliflozin/2.5 mg Linagliptin/1000 mg Metformin HCl extended-release. 2.5 mg Empagliflozin/2.5 mg Linagliptin/1000 mg Metformin HCl extended-release.

#### Mechanism of action

- Empagliflozin: Empagliflozin is an inhibitor of SGLT2. Linagliptin: Linagliptin is an inhibitor of DPP-4. Metformin HCI: Metformin is an antihyperglycemic agent.

## Pharmacokinetic

Absorption Administration of Trixibet<sup>®</sup> ER with food resulted in no change in overall exposure of empagliflozin or linagliptin. For metformin extended-release, high-fat meals increased systemic exposure by approximately 70% relative to fasting, while C<sub>max</sub> is not affected. Meals prolonged T<sub>max</sub> by approximately 3 hours.

Distribution Empaglifiozin: The apparent steady-state volume of distribution was estimated to be 73.8 L. Linagliptin: The mean apparent volume of distribution at steady-state is approximately 1110 L. Metformin HCL: The apparent volume of distribution of metformin following single oral doses of immediate-release metformin HCL tablets 850 mg averaged 654±358 L. Metformin is negligibly bound to plasma proteins.

Metabolism Empaglificazin: No major metabolites of empaglificazin were detected in human plasma. The primary route of metabolism of empaglificazin in humans is glucuronidation. Linagliptin: The majority (about 90%) of linagliptin is excreted unchanged, and metabolism represents a minor elimination

pathway. **Metformin HCl:** Metformin does not undergo hepatic metabolism nor biliary ex<mark>cretion.</mark>

**Empagliflozin:** The apparent terminal elimination half-life of empagliflozin was estimated to be 12.4 h and apparent oral

clearance was 10.6 L/h. Linagliptin: Linagliptin has a terminal half-life of about 200 hours at steady-state, though the accumulation half-life is about 11 hours, Renal clearance at steady-state was approximately 70 mJ/min. Metformin HCL: Metformin has a plasma elimination half-life of approximately 6.2 hours. Excretion

Excretion EmpagifioZon: Following administration of an oral [<sup>14</sup>C]-empagliflozin, approximately 95.6% of the drug-related radioactivity was eliminated in feces (41.2%) or urine (54.4%). Linagliptin: Following administration of an oral [<sup>14</sup>C]-linagliptin, approximately 85% of the administered radioactivity was eliminated via the enterohepatic system (80%) or urine (5%) within 4 days of dosing. Metformin Metf. Following administration, approximately 90% of the absorbed drugs is excreted via the renal route within the first 24 hours.

# Indication

Inducation Trixibet<sup>®</sup> ER is a combination of empagliflozin, a sodium-glucose co-transporter 2 (SGLT2) inhibitor, linagliptin, a dipeptidyl peptidase-4 (DPP-4) inhibitor, and metformin hydrochioride (HCU), a biguanide, indicated as an adjunct to diet and exercise to improve glycemic control in adults with type 2 diabetes mellitus. Empagliflozin is indicated to reduce the risk of cardiovascular death in adults with type 2 diabetes mellitus and established cardiovascular disease.

established cardiovascular disease. **Jimitations of Use:** • Not recommended in patients with type 1 diabetes mellitus. It may increase the risk of diabetic ketoacidosis in these patients. • Has not been studied in patients with a history of pancreatitis.

It is not known if Trixibet<sup>®</sup> ER is safe and effective in children

## Dosage and administration

- Assess renal function before initiating and as clinically indicated. Individualize the starting dose of Trixibet\* ER based on the patient's current regimen and renal function. Initiation of Trixibet\* ER is not recommended in patients with an eGER less than 45 mL/min/1.73 m², due to the metformin
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## Side effects / adverse reactions

Trixibet<sup>®</sup> ER and the activity of band and the blood) that may be life-threatening. Stop taking Trixibet<sup>®</sup> ER and tell value and the activity of the blood of the blood) that may be life-threatening. Stop taking Trixibet<sup>®</sup> ER and tell value activity and the value activity of the blood) that may be life-threatening. Stop taking Trixibet<sup>®</sup> ER and tell value activity and the value activity of the blood) that may be life-threatening. Stop taking Trixibet<sup>®</sup> ER and tell value that the value activity and the value activity of the threatening. Stop taking Trixibet<sup>®</sup> ER and tell value that the value activity activity of the threatening activity of the following symptoms of lactic acidosis:

<ul> <li>feel cold, especially in your arms and legs</li> </ul>	o have trouble breathing
<ul> <li>have unusual (not normal) muscle pain</li> </ul>	<ul> <li>feel very weak and tired</li> </ul>
o have unusual sleepiness or sleep longer than usual	o feel dizzy or lightheaded

- o have unexplained stomach or intestinal problems with nausea o have a slow or irregular heartbeat
- O hade unexplained storing or diarbance proteins with nadace and vomiting, or diarbance and vomiting is a storing of the pancreatity. Story taking Trixibete R and tell your healthcare provider 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 to your backs with the writhout your moniting.
- Inflammation of the pancreas (Pancreatitis) which may be severe and life-threatening. Certain medical problems make your more likely to get pancreatitis. Stop taking Trixibet' E Ra nd tell your healthcare provider 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 to your back and may happen with or without vomiting. Ketoaidosis (increased ketones in your blood or urine). Ketoaidosis has happened in people who have **type 1 diabetes** or type 2 diabetes, during treatment with empaglificzin, one of the medicines in Trixibet\* ER, Ketoaidosis is a sico happened in people with diabetes who were sick or who had surgery during treatment with Trixibet\* ER, Ketoaidosis is a sico usapened in people with diabetes who were sick or who had surgery during treatment with Trixibet\* ER, Ketoaidosis is a sico happen with Trixibet\* of the nearest hospital emergency room if you get any of the following symptoms: o nausea o tiredness o vomiting o trouble breathing o stomach-area (abdominal) pain if you get any of these symptoms during treatment with Trixibet\* ER, for possible, check for ketones in your blood sugar is less than 250 mg/dL. Dehydration Trixibet\* ER can cause some people to become dehydrated (the loss of body water and salt). Dehydration. Trixibet\* ER can cause some people to become dehydrated (the loss of body water and salt). Dehydration. Trixibet\* ER can cause some people to become dehydrated they function in people who are taking Trixibet\* ER. Tell your healthcare provider about what you can do to prevent dehydration including how much tiud you should drink on a daily basis. Serious urinary tract infections such as a burning feeling when passing urine, a need to uninate often, the need to symptoms of a urinary tract infection such as a burning feeling when passing urine. Sometimes people also may have a systing empaglification, one of the medicines in Trixibet\* ER. Fluel your healthcare provider ing uninate ing the need to suri

- symptoms of a vaginal vest infection include: o vaginal odor o vaginal odor o vaginal odor o vaginal odor vaginal odor vaginal odor o swelling of an uncircumcised penis o swelling of an uncircumcised penis o swelling of an uncircumcised penis o rash of the penis o pain in the skin around the penis o foul smelling discharge from the penis o pain in the skin around the penis **Talk to your healthcare provider** may suggest you use an over-the-counter antifungal medicine. Talk to your healthcare provider right away if you use an over-the-counter antifungal medicine. Talk to your healthcare provider right away if you use an over-the-counter antifungal medicine. Talk to your healthcare provider right away if you use an over-the-counter antifungal medicine. Talk to your healthcare provider right away of your back and tell your healthcare provider right away or go to the nearest hospital emergency room if you notice any of the following changes: o difficulty with swallowing or breathing o swelling of your face. (lips, tongue, throat, and other areas on your skin o skin rash, itching, flaking, or peeling

- Low vitamin B12 (vitamin B12 deficiency). Using metformin for long periods of time may cause a decrease in the amount of vitamin B12 can cause low blood counts. Vitamin B12 deficiency can also cause other symptoms related to the brain and nerves. They include:

   o tingling or numbness in the hands of ret
   o tingling or numbness in the hands of ret
   o tingling or numbness in the hands of text
   o those walking
   o memory problems or trouble thinking clearly
   o mode that care provider may do blood texts to check your vitamin B12 levels. Your healthcare provider reats vitamin B12 deficiency by giving people vitamin B12. It comes as a shot or pills. You can talk to your healthcare provider about which form is better for your situation.

   Joint pain. Some people who take linagliptin, one of the medicines in Trixibet<sup>\*</sup> ER, may develop joint pain that can be severe. Tell your healthcare provider right away if you have any severe joint pain.
   Skin reaction. Some people who take linagliptin, one of the medicines in Trixibet<sup>\*</sup> ER, may develop a skin reaction called bullous pemphigoid that can require treatment in a hospital. Tell your healthcare provider right away if you bave any severe joint pain.
   Skin reaction. Some people who take linagliptin, one of the medicines in Trixibet<sup>\*</sup> ER, may develop a skin reaction called bullous pemphigoid that can require treatment in a hospital. Tell your healthcare provider right away if you bave any severe joint pain.
   Skin reaction. Some people who take linagliptin, one of the medicines in Trixibet<sup>\*</sup> ER, may develop a skin reaction called bullous pemphigoid that can require treatment in a hospital. Tell your healthcare provider right away if you bave any severe joint pain.
- Trixibet<sup>2</sup> ER. Heart failure. Tell your healthcare provider right away if you have any of the following symptoms of heart failure: o increasing shortness of breath or trouble breathing, especially when you lie down o swelling or fluid retention, especially in the feet, ankles or legs o an unusually fast increase in weight

o unusual tiredness Call your healthcare provider right away if you have aforementioned symptoms

- The most common side effects of Trixibet<sup>®</sup> ER include: upper respiratory tract infection stuffy or runny nose and sore throat urinary tract infection

inflammation of the stomach and intestine (gastroenteritis)
 Tell your healthcare provider if you have any side effect that bothers you or does not go away.

### Drug interactions

Since the drug interactions Since the drug interactions with Trixibet<sup>\*</sup> ER are not limited to the following medicines tell your doctor or pharmacist if you are taking, have recently taken, or might take any other medicines. This includes herbal medicines and other medicines you bought without a prescription. Tell your healthcare provider before taking Trixibet<sup>®</sup> ER if you are taking any of the following medicines. The following

constipation headache diarrhea

- fell your healthcare provider before taking Trixibet<sup>\*</sup> ER if you are taking any of the following medicines. The following medicines may reduce how well Trixibet<sup>\*</sup> ER works: Carbonic Anhydrase Inhibitors (e.g., topiramate, zonisamide, acetazolamide or dichlorphenamide) Drugs that Reduce Metformin Clearance (e.g., ranolazine, vandetanib, dolutegravir, and cimetidine) Alcohol Diuretics a medicine to lower blood pressure or treat edema Insulin or Insulin Secretagogues (e.g., sulfonylurea) Drugs Affecting diycemic Control (e.g., thiazides and other diuretics, corticosteroids, phenothiazines, thyroid products, estrogens, oral contraceptives, phenytoin, nicotinic acid, sympathomimetics, calcium channel blocking drugs, and isoniazid) Lithium-an antipsychotic drug Rifampin an antibiotic
- Trixibet<sup>®</sup> ER and test

Missed dose

Overdose

Pregnancy and lactation

Packaging Bottle of 30 F. C. Tablets. Issued: October 2023

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# Warnings Before taking Trixibet\* ER, tell your healthcare provider about all of your medical conditions, including if you: have liver problems. have a heart attack, severe infection, or stroke. are breastfeeding or place to breastfeed at

- fore taking Trixibet\* ER, tell your healthcare provider about all of your medical conditions, including if you:
  have kidney problems.
  have heart problems.
- your pancreas. have high blood triglyceride levels.
- are on low sodium (salt) diet. are eating less, there is a change in your diet, have surgery or other procedure for which you need to restrict the amount
- are on low source in setupine. are eating less, there is a change in your diet, have surgery or other procedure for which you need to restrict the amount of lood and liquid you eat and drink. drink alcohol very often or drink al tot of alcohol in the short term ("binge" drinking) or have ever had a history of alcoholism. are going to get an injection of dye or contrast agents for an X-ray procedure. Trixibet" ER may need to be stopped for a short time. Talk to your healthcare provider about when you should stop Trixibet" ER and when you should start Trixibet" ER spain. have type I diabetes. Trixibet" ER should not be used to treat people with type 1 diabetes. are pregnant or plan to become pregnant. Trixibet" ER may harm your unborm baby. are stored time. The type the triviation of the stope of the have type I diabetes. Trixibet" ER should not be used to treat people with type 1 diabetes. are pregnant or plan to become pregnant. Trixibet" ER may harm your unborm baby. and take trixibet" ER type through menopause (premenopause) who does not have periods regularly or at all. **ont take** trixibet" ER type through menopause (premenopause) who does not have periods regularly or at all. **are altergic** to emagdificing in nagliptin, metformin, or any of the ingredients in Trixibet" ER. Symptoms of a serious allergic reaction to Trixibet" R may include: o skin rash, itching, flaking or peeling o raised red patches on your skin (hives) o difficulty with swallowing or breating o swelling of your face, lips, tongue and throat that may cause difficulty in breathing or swallowing fly ou have any of these symptoms, stop taking Trixibet" ER and tell your heaththcare provider right away or go to the nearest hospital emergency room.

If you take too much Trixibet<sup>®</sup> ER, call your healthcare provider or go to the nearest hospital emergency room right away

Pregnancy and lactation Trixibet<sup>®</sup> Ex can cause harm to your unborn baby. • If you become pregnant while taking Trixibet<sup>®</sup> ER, tell your healthcare provider as soon as possible. Talk with your healthcare provider about the best way to control your blood sugar while you are pregnant. • Trixibet<sup>®</sup> Ex can cause the release of an egg from an ovary in a person (ovulation). This can increase your chance of getting pregnant. Tell your healthcare provider right away if you become pregnant while taking Trixibet<sup>®</sup> Ex low • Trixibet<sup>®</sup> Ex may pass into your breast milk and may harm your baby. Talk with your healthcare provider about the best way to feed your baby if you are taking Trixibet<sup>®</sup> ER. Do not breastfeed while taking Trixibet<sup>®</sup> ER.

 Storage
 • Keep away from light and moisture. Store below 30°C.
 • Keep out of the reach of children.

 • Keep a decircant in the bottle. Do note at or throw away desiccant pack.
 • Keep in the original container.

 • Safely throw away medicine that is out of date or that you no longer need. Ask your pharmacist how to safely throw away Trixibet<sup>®</sup> ER tablets.

Kerefences https://www.accessdata.fda.gov/drugsatfda\_docs/label/2023/208716s010s011lbl.pdf https://www.ema.europa.eu/en/documents/product-information/verzenios-epar-product-information\_en.pdf BMF & (British National Formulary) September 2022-March 2023

In you have any of intese symptoins, stop taking inside: tex and tet you heatificate provide right away or go to the nearest hospital emergency room. Tell your heatthcare provider about all the medicines you take or treatments you receive, including prescription and over-the-counter medicines, vitamins, and herbal supplements. You should not start or stop any medicine before you talk with the healthcare provider that prescribed Trixibet' ER. Trixibet' ER and other medicines may affect each other causing serious side effects.

If you miss a dose of Trixibet<sup>®</sup> ER take it as soon as you remember on the same day. Take your next dose of Trixibet<sup>®</sup> ER at your regular time on the next day. Do not take extra doses of Trixibet<sup>®</sup> ER to make up for a missed dose.

the best way to feed your baby if you are taking Trixibet<sup>\*</sup> ER. Do not breastfeed while taking Trixibet<sup>\*</sup> ER.
Patient information
Take Trixibet<sup>\*</sup> ER exactly as your healthcare provider tells you to take it.
Take Trixibet<sup>\*</sup> ER by mouth 1 time each day with a meal in the morning. Taking Trixibet<sup>\*</sup> ER with a meal may lower your chance of having an upset stomach.
Swallow Trixibet<sup>\*</sup> ER tablets whole. Do not break, cut, crush, dissolve, or chew Trixibet<sup>\*</sup> ER. If you cannot swallow Trixibet<sup>\*</sup> ER tablets whole, tell your healthcare provider.
You may see something that look like the Trixibet<sup>\*</sup> ER tablets in your stol (bowel movement). This is not harmful and should not affect the way Trixibet<sup>\*</sup> ER works to control your diabetes.
Your healthcare provider may tell you to take Trixibet<sup>\*</sup> ER tablets medicines. Low blood sugar can happen more often when Trixibet<sup>\*</sup> ER is to check how well your kingers are working before and during your treatment with Trixibet<sup>\*</sup> ER sugar in your unine, which will show up on a urine test.
Avoid dinking alcohol very often or dinking a lot of alcohol in a short period of time ("binge" dinking). It can increase your chances of getting serious side effects.
Trixibet<sup>\*</sup> ER contains lactose. If you have been told by your healthcare provider that you have an intolerance to some sugars, contact your healthcare provider before taking this medicinal product.