

## **LAFORMIN-GD 1**

Glimepiride 1 mg + Dapagliflozin 10 mg + Metformin (ER) 500 mg Tablets

### **LAFORMIN-GD 2**

Glimepiride 2 mg + Dapagliflozin 10 mg + Metformin (ER) 500 mg Tablets

Also Available

## LAFORMIN-GD 1 FORTE 2 FORTE

# LAFORMIN-GD

#### **Background**

Many currently available combinations for patients with type-2 diabetes mellitus, are associated with hypoglycemia and/or weight gain, effects that act as barriers to the achievement of glycemic and weight control. Metformin-sulfonylurea combination therapy is the most widely used regimen in the management of T2DM. Sulfonylureas are prescribed as second-line treatment options in the management of patients with T2DM, while they are still commonly prescribed as a first-line treatment as a substitute to metformin. SGLT-2 inhibitors are a new class of oral antihyperglycemic drugs which improve hyperglycemia by inhibiting renal glucose reabsorption and decrease cardiovascular events and kidney damage in patients with diabetes and addition of SGLT-2 inhibitors to above combination has shown superior efficacy when compared with add-on of either monotherapy alone.

#### **Description**

**Laformin-GD** is the triple combination of Glimepiride, Dapagliflozin and Metformin for the treatment of type-2 diabetes mellitus in adults.

Laformin-GD 1: Glimepiride 1 mg + Dapagliflozin 10 mg + Metformin (ER) 500 mg Tablets
Laformin-GD 2: Glimepiride 2 mg + Dapagliflozin 10 mg + Metformin (ER) 500 mg Tablets
Laformin-GD 1 Forte: Glimepiride 1 mg + Dapagliflozin 10 mg + Metformin (ER) 1000 mg Tablets
Laformin-GD 2 Forte: Glimepiride 2 mg + Dapagliflozin 10 mg + Metformin (ER) 1000 mg Tablets

#### Indication

**Laformin-GD** is indicated as an adjunct to diet and exercise to improve glycemic control in patients with type-2 diabetes whose diabetes is not adequately controlled with metformin alone or in those patient who initially responded to glimepiride or dapagliflozin alone and require additional glycemic control.

#### Mechanism of Action

**Glimepiride:** Glimepiride is an insulin secretagogue and, which is effective in patients with residual pancreatic beta-cell activity. The primary mechanism of action of glimepiride in lowering blood glucose appears to be dependent on stimulating the release of insulin from functioning pancreatic beta cells

**Dapagliflozin:** Dapagliflozin inhibits SGLT2 and blocks reabsorption of filtered glucose in the kidney, increasing urinary glucose excretion and reducing blood glucose levels.

**Metformin:** Metformin improves glucose tolerance in patients with type-2 diabetes, lowering both basal and postprandial plasma glucose. It decreases hepatic glucose production, decreases intestinal absorption of glucose, and improves insulin sensitivity by increasing peripheral glucose uptake and utilization.

#### Dosage

**Laformin-GD 1, 2:** One Tablet a day orally or as prescribed by the doctor. **Laformin-GD 1, 2 Forte:** One Tablet a day orally or as prescribed by the doctor.

T2DM: Type-2 Diabetes Mellitus SGLT-2: Sodium Glucose Co-transporter 2

#### Reference:

 $1. Scientific \,Reports \,volume \,11, Article \,number: \,137 \,(2021) \,\mid 2. Diabetes \,Obes \,Metab. \,2020; \\ 22: 1083-1093 \mid 3. \,JAMA \,Cardiol. \,2021 \,Feb \,\,1; \\ 6(2): 148-158. \,I. \,JAMA \,Cardio$ 



