

Brand Name: ASTRAPRIDE M2 SR TABLET

Composition: Glimepiride ,Metformin Hydrochloride SR tablet

Dosage Form: Tablet

Category: Oral Antidiabetic – Sulfonylurea + Biguanide Combination

Packaging Type: Blister

Packaging: 10 x 10

Brief Product Introduction:

ASTRAPRIDE M2 SR is a bilayer, sustained-release oral antidiabetic tablet developed by **AstraEureka Pharmaceutical**, a leading manufacturer of composition-based combination therapies. This formulation blends **Glimepiride**, a sulfonylurea that enhances insulin secretion, with **Metformin SR**, a biguanide that improves insulin sensitivity and decreases hepatic glucose production. The bilayer design ensures immediate release of Glimepiride and extended release of Metformin for balanced, 24-hour blood glucose control. ASTRAPRIDE M2 SR is prescribed in the management of type 2 diabetes mellitus where monotherapy has failed. It improves glycemic parameters, supports weight neutrality, and helps delay complications such as neuropathy, nephropathy, and retinopathy. The once-daily regimen enhances patient compliance and is particularly suited for overweight or insulin-resistant individuals.

Composition:

Each uncoated bilayer tablet contains:

- Glimepiride IP.....2 mg
- Metformin Hydrochloride IP
(Sustained Release).....500 mg
- Excipients.....q.s.

Key Ingredients:

- **Glimepiride:** Stimulates pancreatic insulin release
- **Metformin Hydrochloride (Sustained Release):** Inhibits hepatic gluconeogenesis and improves insulin sensitivity

Key Benefits:

1. Dual mechanism for optimal control of fasting and postprandial glucose
2. Prolonged glycemic effect with once-daily dosing
3. Fewer gastrointestinal side effects due to SR technology
4. Aids in weight neutrality or slight reduction
5. Reduces risk of long-term diabetic complications
6. Suitable for insulin-resistant and overweight patients

Indications:

1. Type 2 Diabetes Mellitus in adults
2. Inadequate glycemic control on monotherapy with Metformin or Glimepiride
3. Patients requiring sustained glucose-lowering effect
4. Prevention of diabetes-related microvascular complications

Directions for Use:

1. Take one tablet with food, preferably in the morning
2. Swallow whole without crushing or chewing
3. Follow medical advice and prescribed dosage carefully

Dosage and Administration:

1. **Adults:** One tablet once daily or as directed by the physician
2. Dosage may be adjusted based on blood glucose levels and patient response
3. Regular blood glucose and HbA1c monitoring recommended

Safety Information:

1. Not for use in patients with type 1 diabetes or diabetic ketoacidosis
2. Avoid alcohol consumption due to risk of lactic acidosis
3. Monitor renal and liver function periodically
4. Use with caution in elderly patients
5. Do not self-adjust dose without medical supervision

Mechanism of Action:

- **Glimepiride** enhances insulin release from pancreatic beta cells in a glucose-dependent manner, effectively reducing postprandial blood glucose
- **Metformin SR** reduces hepatic glucose output, increases peripheral glucose uptake, and improves insulin action. The SR formulation allows for slow release, extending the drug's activity and minimizing GI disturbances
- Combined action offers synergistic control over fasting and postprandial hyperglycemia with improved metabolic outcomes

Contraindications:

1. Hypersensitivity to Glimepiride, Metformin, or any excipient
2. Severe renal or hepatic impairment
3. Acute or chronic metabolic acidosis
4. Type 1 diabetes mellitus
5. Pregnancy and lactation without medical advice

Side Effects:

1. Hypoglycemia (more common if meals are skipped)
2. Nausea, abdominal discomfort, bloating
3. Metallic taste
4. Rare: Lactic acidosis (Metformin), skin rashes, B12 deficiency on prolonged use

Important Notice:

- This is a **prescription-only medication**.
- It must be used under the supervision of a qualified healthcare professional.
- Compliance with diet, exercise, and lifestyle modifications is essential for optimal results.

Storage Condition:

1. Store below 25°C in a cool, dry place
2. Keep protected from moisture and direct sunlight
3. Store in original blister pack

Packing Information:

- **Packaging:** 10 x 10 tablets in blister pack.

