

LinitaTM

Linitagliptin INN

PRESENTATION

LinitaTM: Each film coated tablet contains Linagliptin INN 5 mg.

PHARMACOLOGY

Linagliptin is a dipeptidyl peptidase-4 (DPP-4) inhibitor, which is believed to exert its actions in patients with type 2 diabetes by slowing the inactivation of incretin 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 endogenous 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, Linitagliptin increases insulin release and decreases glucagon levels in the circulation in a glucose-dependent manner.

PHARMACOKINETICS

After oral administration of a single 5-mg dose to healthy subjects, peak plasma concentrations of Linagliptin occurred at approximately 1.5 hours post dose ; the mean plasma area under the curve (AUC) was 139 nmol/L and maximum concentration (Cmax) was 8.9 nmol/L. The absolute bioavailability of Linagliptin is approximately 30%. Following oral administration, the majority (about 90%) of Linagliptin is excreted unchanged.

INDICATION

LinitaTM is indicated as an adjunct to diet and exercise to improve glycemic control in patients with type 2 diabetes mellitus.

DOSAGE AND ADMINISTRATION

The recommended dose of **LinitaTM** is 5 mg once daily. No dosage administration is required for hepatic or kidney impaired patients.

SIDE EFFECTS

Side effects includes: Hypoglycemia, headache, drowsiness, weakness, dizziness, confusion, irritability, hunger, fast heart beat, sweating. Stuffy or runny nose and sore throat.

ADVERSE REACTIONS

- Adverse reactions reported in ≥5% of patients treated with Linagliptin and more commonly than in patients treated with placebo included nasopharyngitis
- Hypoglycemia was more commonly reported in patients treated with the combination of Linagliptin and Sulfonylurea compared with those treated with the combination of placebo and sulfonylurea
- Pancreatitis was reported more often in patients randomized to Linagliptin.

PRECAUTION

When used with an Insulin Secretagogue (e.g., Sulfonylurea), consider lowering the dose of the Insulin Secretagogue to reduce the risk of hypoglycemia.

USE IN PREGNANCY AND LACTATION

Pregnancy: Pregnancy Category-B.

There are no adequate and well-controlled studies in pregnant women. Linagliptin tablets should be used during pregnancy only if clearly needed.

Nursing Mothers: It is not known if Linagliptin passes into breast milk. Caution should be exercised when Linitagliptin is administered to a nursing woman.

GERIATRIC USE

No dosage adjustment is required based solely on age.

PEDIATRIC USE

Safety and effectiveness of Linagliptin in pediatric patients under 18 years of age have not been established.

CONTRAINDICATION

History of a serious hypersensitivity reaction to Linagliptin, such as anaphylaxis or angioedema.

DRUG INTERACTIONS

P-glycoprotein/CYP3A4 inducer: The efficacy of Linagliptin may be reduced when administered in combination (e.g., with rifampin). Use of alternative treatments is strongly recommended.

OVERDOSE

With single doses of up to 600 mg of Linagliptin there were no dose-related clinical adverse drug reactions. In the event of an overdose, contact the Poison Control Center. It is also reasonable to employ the usual supportive measures, e.g., remove unabsorbed material from the gastrointestinal tract, employ clinical monitoring, and institute supportive treatment as dictated by the patient's clinical status.

STORAGE

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

HOW SUPPLIED

LinitaTM: Each box contains 30 tablets in blister pack.