

# VICEMIC P 15

Vildagliptin 50 mg & Pioglitazone 15 mg Tablets

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#### **DESCRIPTION:**

VICEMIC P 15 is combination of Vildagliptin, a Dipeptidyl peptidase-4 (DPP-4) Inhibitor and Pioglitazone, a Thiazolidinedione.

#### **INDICATION:**

For the treatment of Type 2 Diabetes Mellitus Inadequately Controlled on Metformin monotherapy.

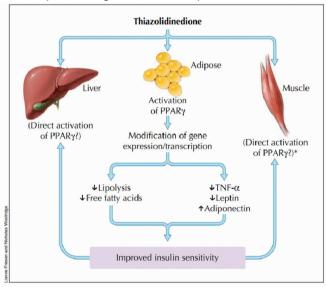
## **MECHANISM OF ACTION:**

#### Vildagliptin:

- Vildagliptin binds covalently to the catalytic site of DPP-4, eliciting prolonged enzyme inhibition. This raises intact GLP-1 levels (Incretins hormone), both after meal ingestion and in the fasting state.
- GLP-1 leads to insulin secretion and inhibit glucagon secretion in a glucose-dependent manner.

#### Pioglitazone:

- Pioglitazone from the class Thiazolidinedione is a selective peroxisome proliferator-activated receptor gamma (PPAR-gamma) agonists which modulate the transcription of several genes involved in glucose and lipid metabolism.
- Activation of PPAR-gamma in adipocytes decreases levels of inflammatory cytokines and free fatty acids and increases adiponectin, which lowers glucose by increasing insulin sensitivity.



### **DOSAGE AND ADMINISTRATION:**

VICEMIC P 15: Once a day or as prescribed by physician.

#### PRESENTATION:

VICEMIC P 15: Available as 10 tablets in a strip.

DPP-4= Dipeptidyl peptidase-4; GLP-1= glucagon-like peptide-1; PPARγ- peroxisome proliferator-activated receptor-gamma; TNF-α = tumor necrosis factor-alpha.

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