

## **The Unique Pharmacological and Pharmacokinetic Profile of Tenziglipitin: Implications for Clinical Practice**

*Ceriello A et al. Drugs, 2019; 79(7): 733-750.*

- Tenziglipitin is a potent, selective, and long-lasting DPP-4 inhibitor with a  $t_{1/2}$  of approximately 24 h and unique pharmacokinetic properties: it is metabolized by cytochrome P450 (CYP) 3A4 and flavin-containing monooxygenase 3 (FMO3), or excreted from the kidney in an unchanged form.
- Because of its multiple elimination pathways, dose adjustment is not needed in patients with hepatic or renal impairment, and it is considered to have a low potential for drug-drug interactions.
- Furthermore, tenzilgipitin has anti-oxidative properties and has shown endothelial protective effects in several non-clinical and clinical studies.

**Clinical studies and post-marketing surveillance show that tenzilgipitin administered as monotherapy and/or in combination with antihyperglycemic agents, is effective and well tolerated in T2DM patients, including in elderly patients and those with renal impairment.**