

Product Datasheet

Evogliptin Tartrate

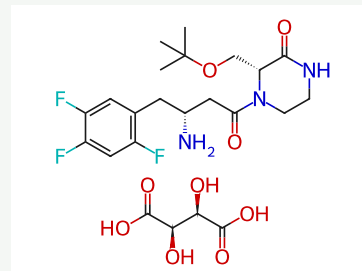
Catalog No. **BP-00017** · CAS **1222102-51-3** · Form **free base** · Physical state **solid** · Color **White to off-white** · Version **1.0** · Revision **2026-09-24**

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Molecular formula **C₂₃H₃₂F₃N₃O₉**

Molecular weight **551.5101**

STRUCTURE



DESCRIPTION

Evogliptin (DA-1229) tartrate is an orally active DPP4 inhibitor with significant and sustained hypoglycaemic effects in mouse models. Evogliptin tartrate also inhibits the production of inflammatory and fibrotic signals in hepatocytes by inducing autophagy. Evogliptin tartrate can be used in studies of type 2 diabetes, osteoporosis, renal impairment and chronic liver inflammation.

BIOLOGICAL ACTIVITY

In Vitro

Evogliptin tartrate (2.49 mM; 12 h) efficiently inhibits mDPP4 (membrane DPP4) enzymatic activity in PWM-induced H9 Th1 cells.

Evogliptin tartrate prevents inflammatory and fibrotic signaling through autophagy induction in primary hepatocytes of ATG7f/f-Cre+ mice.

In Vivo

Evogliptin tartrate (100, 300 mg/kg; in animal feedings; single daily for 10 weeks) exhibits antidiabetic effects on HFD/STZ mice and improves glucose intolerance and insulin resistance.

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1]. Yoon H, et al. Effects of the Antidiabetic Drugs Evogliptin and Sitagliptin on the Immune Function of CD26/DPP4 in Th1 Cells. *Biomol Ther (Seoul)*. 2021 Mar 1;29(2):154-165.
- [2]. Seo H Y, et al. Evogliptin Directly Inhibits Inflammatory and Fibrotic Signaling in Isolated Liver Cells. *International Journal of Molecular Sciences*, 2022, 23(19): 11636.
- [3]. Kim TH, et al. Hepatic role in an early glucose-lowering effect by a novel dipeptidyl peptidase 4 inhibitor, evogliptin, in a rodent model of type 2 diabetes. *Eur J Pharmacol*. 2016 Jan 15;771:65-76.

[4]. Tan X, et al. Evogliptin: a new dipeptidyl peptidase inhibitor for the treatment of type 2 diabetes. Expert Opin Pharmacother. 2016 Jun;17(9):1285-93.

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