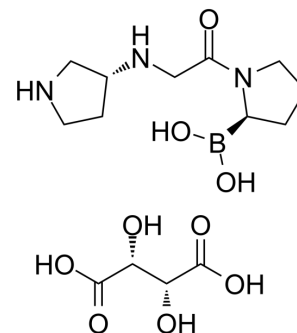


Dutogliptin tartrate

Cat. No.:	HY-10286A
CAS No.:	890402-81-0
Molecular Formula:	C ₁₄ H ₂₆ BN ₃ O ₉
Molecular Weight:	391.18
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dutogliptin tartrate (PHX-1149) is an orally available, potent, and selective dipeptidyl peptidase-4 (DPP4) inhibitor for the treatment of type 2 diabetes mellitus.
IC₅₀ & Target	DPP4 ^[1]
In Vivo	Dutogliptin exhibits low plasma protein binding (11%) and is rapidly absorbed with a T _{max} of 3-4 h and a half-life of 10-13 h. Dutogliptin is metabolically stable and does not inhibit or induce the activity of major CYP450s ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Marier JF, et al. Population pharmacokinetic analysis of dutogliptin, a selective dipeptidyl peptidase-4 inhibitor. *Clin Pharmacol Drug Dev.* 2014 Jul;3(4):297-304.
- [2]. Pattzi HM, et al. Dutogliptin, a selective DPP4 inhibitor, improves glycaemic control in patients with type 2 diabetes: a 12-week, double-blind, randomized, placebo-controlled, multicentre trial. *Diabetes Obes Metab.* 2010 Apr;12(4):348-55.

Caution: Product has not been fully validated for medical applications. For research use only.

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