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Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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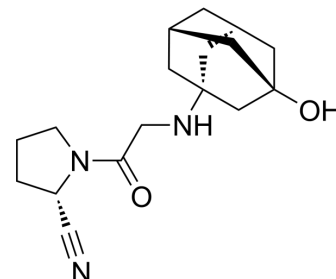
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Vildagliptin (Standard)

Cat. No.:	HY-14291R
CAS No.:	274901-16-5
Molecular Formula:	C ₁₇ H ₂₅ N ₃ O ₂
Molecular Weight:	303.4
Target:	Dipeptidyl Peptidase; Ferroptosis; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Vildagliptin (Standard) is the analytical standard of Vildagliptin. This product is intended for research and analytical applications. Vildagliptin (LAF237) is a potent, stable, selective dipeptidyl peptidase IV (DPP-IV) inhibitor with an IC ₅₀ of 3.5 nM in human Caco-2 cells. Vildagliptin possesses excellent oral bioavailability and potent antihyperglycemic activity ^[1] .
IC₅₀ & Target	IC ₅₀ : 3.5 nM (DPP-IV, in human Caco-2 cells) ^[1]

REFERENCES

[1]. Villhauer EB, et al. 1-[[[(3-hydroxy-1-adamantyl)amino]acetyl]-2-cyano-(S)-pyrrolidine: a potent, selective, and orally bioavailable dipeptidyl peptidase IV inhibitor with antihyperglycemic properties. *J Med Chem.* 2003 Jun 19;46(13):2774-89.

[2]. Wu YJ, et al. Dipeptidyl peptidase-4 inhibitor, vildagliptin, inhibits pancreatic beta cell apoptosis in association with its effects suppressing endoplasmic reticulum stress in db/db mice. *Metabolism.* 2015 Feb;64(2):226-35.

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

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