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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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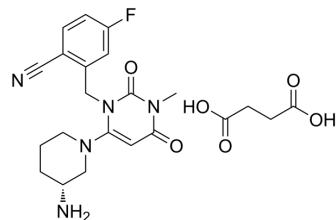
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Trelagliptin succinate (Standard)

Cat. No.:	HY-15408AR
CAS No.:	1029877-94-8
Molecular Formula:	C ₂₂ H ₂₆ FN ₅ O ₆
Molecular Weight:	475.47
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Trelagliptin (succinate) (Standard) is the analytical standard of Trelagliptin (succinate). This product is intended for research and analytical applications. Trelagliptin (SYR-472) succinate is a potent, orally active and highly selective DPP-4 inhibitor with an IC ₅₀ of 4 nM. Trelagliptin succinate improves glycemic control in vivo and can be used for the study of type 2 diabetes mellitus (T2DM) ^[1] .
IC₅₀ & Target	IC ₅₀ : 4 nM (DPP-4) ^[1]

REFERENCES

- [1]. Bhumika D Patel, et al. Recent approaches to medicinal chemistry and therapeutic potential of dipeptidyl peptidase-4 (DPP-4) inhibitors. *Eur J Med Chem.* 2014 Mar 3;74:574-605.
- [2]. Charles E Grimshaw, et al. Trelagliptin (SYR-472, Zafatek), Novel Once-Weekly Treatment for Type 2 Diabetes, Inhibits Dipeptidyl Peptidase-4 (DPP-4) via a Non-Covalent Mechanism. *PLoS One.* 2016 Jun 21;11(6):e0157509.
- [3]. Shiliang Li, et al. Discovery of a Natural-Product-Derived Preclinical Candidate for Once-Weekly Treatment of Type 2 Diabetes. *J Med Chem.* 2019 Mar 14;62(5):2348-2361.

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

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