



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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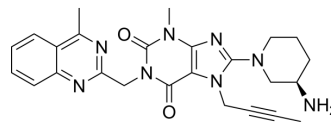
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## Linagliptin (Standard)

Cat. No.:	HY-10284R
CAS No.:	668270-12-0
Molecular Formula:	C <sub>25</sub> H <sub>28</sub> N <sub>8</sub> O <sub>2</sub>
Molecular Weight:	472.54
Target:	Autophagy; Dipeptidyl Peptidase; Ferroptosis
Pathway:	Autophagy; Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Linagliptin (Standard) is the analytical standard of Linagliptin. This product is intended for research and analytical applications. Linagliptin is a highly potent, selective DPP-4 inhibitor with IC <sub>50</sub> of 1 nM.
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1 nM (DPP-4)

### REFERENCES

- [1]. Eckhardt M, et al. 8-(3-(R)-aminopiperidin-1-yl)-7-but-2-ynyl-3-methyl-1-(4-methyl-quinazolin-2-ylmethyl)-3,7-dihydropurine-2,6-dione (BI 1356), a highly potent, selective, long-acting, and orally bioavailable DPP-4 inhibitor for the treatment of type 2 d
- [2]. Thomas L, et al. (R)-8-(3-amino-piperidin-1-yl)-7-but-2-ynyl-3-methyl-1-(4-methyl-quinazolin-2-ylmethyl)-3,7-dihydro-purine-2,6-dione (BI 1356), a novel xanthine-based dipeptidyl peptidase 4 inhibitor, has a superior potency and longer duration of action
- [3]. Schurmann C, et al. The dipeptidyl peptidase-4 inhibitor linagliptin attenuates inflammation and accelerates epithelialization in wounds of diabetic ob/ob mice. *J Pharmacol Exp Ther.* 2012 Jul;342(1):71-80.
- [4]. Huan Y, et al. The dual DPP4 inhibitor and GPR119 agonist HBK001 regulates glycemic control and beta cell function ex and in vivo. *Sci Rep.* 2017 Jun 28;7(1):4351.

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

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