



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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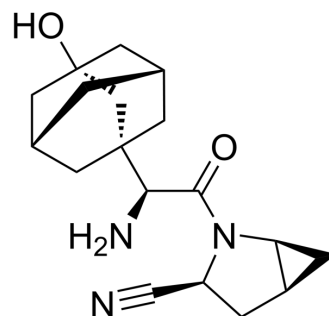
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## Saxagliptin (Standard)

Cat. No.:	HY-10285R
CAS No.:	361442-04-8
Molecular Formula:	C <sub>18</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	315.41
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Saxagliptin (Standard) is the analytical standard of Saxagliptin. This product is intended for research and analytical applications. Saxagliptin (BMS-477118) is a potent, selective, reversible, competitive and orally active dipeptidyl peptidase-4 (DPP-4) (K <sub>i</sub> = 0.6-1.3 nM) inhibitor. Saxagliptin has the potential for type 2 diabetes mellitus research <sup>[1][2][3]</sup> .
IC <sub>50</sub> & Target	Ki: 0.6-1.3 nM (Dipeptidyl peptidase-4 (DPP-4)) <sup>[2]</sup>

### REFERENCES

- [1]. Chun-Jun Li, et al. Saxagliptin Induces  $\beta$ -Cell Proliferation through Increasing Stromal Cell-Derived Factor-1 $\alpha$  In Vivo and In Vitro. *Front Endocrinol (Lausanne)*. 2017 Nov 27;8:326.
- [2]. Darshan J Dave. Saxagliptin: A dipeptidyl peptidase-4 inhibitor in the treatment of type 2 diabetes mellitus. *J Pharmacol Pharmacother*. 2011 Oct;2(4):230-5.
- [3]. Carolyn F Deacon, et al. Saxagliptin: a new dipeptidyl peptidase-4 inhibitor for the treatment of type 2 diabetes. *Adv Ther*. 2009 May;26(5):488-99.

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

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