



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

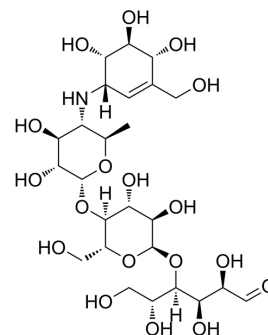
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Acarbose (Standard)

Cat. No.:	HY-B0089R
CAS No.:	56180-94-0
Molecular Formula:	C ₂₅ H ₄₃ NO ₁₈
Molecular Weight:	645.6
Target:	Glucosidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Acarbose (Standard) is the analytical standard of Acarbose. This product is intended for research and analytical applications. Acarbose (BAY g 5421), antihyperglycemic agent, is an orally active alpha-glucosidase inhibitor (IC₅₀=11 nM). Acarbose can potentiate the hypoglycemic effects of sulfonylureas or insulin^{[1][2][3]}.

REFERENCES

- [1]. Zhang Q, et al. Acarbose Reduces Blood Glucose by Activating miR-10a-5p and miR-664 in Diabetic Rats. PLoS One. 2013 Nov 18;8(11):e79697.
- [2]. Chan KC, et al. Pleiotropic effects of acarbose on atherosclerosis development in rabbits are mediated via upregulating AMPK signals. Sci Rep. 2016 Dec 7;6:3864
- [3]. Hanefeld M, et al. Acarbose: oral anti-diabetes drug with additional cardiovascular benefits [published correction appears in Expert Rev Cardiovasc Ther. 2009 Mar;7(3):330]. Expert Rev Cardiovasc Ther. 2008;6(2):153-163.
- [4]. Yee HS, et al. A review of the safety and efficacy of acarbose in diabetes mellitus. Pharmacotherapy. 1996;16(5):792-805.
- [5]. Oki T, et al. Evaluation of alpha-glucosidase inhibition by using an immobilized assay system. Biol Pharm Bull. 2000;23(9):1084-1087.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA