



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## $\alpha$ -Glucosidase, bacillus stearothermophilus

Cat. No.:	HY-P2802A	
CAS No.:	9001-42-7	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	$\alpha$ -Glucosidase, bacillus stearothermophilus
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

### BIOLOGICAL ACTIVITY

#### Description

$\alpha$ -Glucosidase, bacillus stearothermophilus is a carbohydrase enzyme that catalyzes the release of  $\alpha$ -glucose molecules.  $\alpha$ -Glucosidase, bacillus stearothermophilus retains exoglycosidases, which hydrolyze  $\alpha$ -glucosidic linkage at the nonreducing end of a substrate<sup>[1][2]</sup>.

### REFERENCES

[1]. Abdjan MI, et al. Structure-based approach: molecular insight of pyranocumarins against  $\alpha$ -glucosidase through computational studies. RSC Adv. 2023 Jan 25;13(6):3438-3447.

[2]. Kim YM, et al. A novel metabolic pathway for glucose production mediated by  $\alpha$ -glucosidase-catalyzed conversion of 1,5-anhydrofructose. J Biol Chem. 2012 Jun 29;287(27):22441-4.

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

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