



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

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) 

Subtilisin, bacillus licheniformis

Cat. No.:	HY-E70076	
CAS No.:	9014-01-1	
Target:	Biochemical Assay Reagents	
Pathway:	Others	Subtilisin, bacillus licheniformis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.	

SOLVENT & SOLUBILITY

In Vitro	DMSO : 20 mg/mL (ultrasonic and warming and heat to 60°C)
-----------------	---

BIOLOGICAL ACTIVITY

Description	Subtilisin (Compound proteinase) (EC 3.4.21.62) is a proteolytic enzyme, isolated from Bacillus licheniformis. Subtilisin (Compound proteinase) has catalytic activity in anhydrous dimethyl formamide. Subtilisin (Compound proteinase) can be used as a catalyst for easy coupling between sugars and amino acids ^{[1][2]} .
In Vitro	Subtilisin (Compound proteinase) (30 mg/mL; 2.5-7 d) selectively acylates disaccharides in anhydrous dimethylformamide ^[1] . Subtilisin (Compound proteinase) (1.8 g; 20-72 h) selectively acylates monosaccharides in anhydrous dimethylformamide ^[1] . Subtilisin (Compound proteinase) proteinase acylates D-glucose of flavanol isoquercetin (1) in the presence of activated ester trifluoroethyl butyrate (TFEB) ^[3] . Subtilisin (Compound proteinase) improves the solubility of protein and fatty acids, and restores polypeptides and unsaturated fatty acids ^[4] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Subtilisin (Compound proteinase) hydrolysate (the ≤1 kDa meretrix lusoria protamex hydrolysate, MLPH) (150 mg/kg and 300 mg/kg; p.o.; once daily for 6 weeks) has anti-obesity and anti-hyperglycemic effects on ob/ob mice ^[4] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Riva S, et al. Protease-catalyzed regioselective esterification of sugars and related compounds in anhydrous dimethylformamide[J]. Journal of the American Chemical Society, 1988, 110(2): 584-589.
- [2]. Philipp M, et al. Inhibition of subtilisin by substituted arylboronic acids. FEBS Lett. 1981 Oct 12;133(1):36-8.
- [3]. Danieli B, et al. On the regioselectivity of the protease subtilisin towards the acylation of enantiomeric pairs of benzyl and naphthyl glycopyranosides. Part 2[J]. Tetrahedron, 1999, 55(7): 2045-2060.

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