



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Product Information

**Description:**

Decanoyl-Arg-Val-Lys-Arg-chlororomethylketone, also called Subtilisin/Kex2p-like proprotein convertase inhibitor, is a small, synthetic, irreversible and cell-permeable modified RVKR peptide that inhibits the seven pro-protein convertases: furin and PC1, PC2, PC4, PACE4, PC5, PC7. Proprotein convertases cleave proproteins to generate bioactive peptides or to activate enzymes and growth factors, thus regulating critical biological processes and playing a role in pathologies such as cancer or viral infection. Therefore, they represent potential therapeutic targets in a number of diseases.

As an inhibitor of furin, Decanoyl-RVKR-CMK blocks the fusion of flavaviruses and coronaviruses, including SARS-CoV-2, with the membrane of human host cells. It also inhibits the processing of proET-1 in endothelial cells and the secretion of VGF in PC12 cells.

**Molecular Formula:**

$C_{34}H_{66}ClN_{11}O_5$

**Amount:**

500  $\mu$ g (#78713-1) or 1 mg (#78713-2) or 5 mg (#78713-3)

**PubChem ID:**

9962075

**Supplied As:**

A crystalline solid

**Solubility:**

Soluble in water. For obtaining a higher solubility, warm the tube at 37°C and shake it in the ultrasonic bath for a while.

**Stability:**

At least 6 months at -20°C. Avoid freeze/thaw cycles.

**Storage:**

-20°C

**MW:**

744.42

**Cas No.**

150113-99-8

**Purity:**

≥95% determined by HPLC

**Applications:**

Inhibition of furin and related endoprotease/proprotein convertase (PC1, PC2, PC4, PACE4, PC5, PC7)

Useful as control inhibitor when using the Furin Protease Assay Kit BPS Bioscience #78040).

Useful when studying the role of Furin in viral fusion with BPS Bioscience Spike pseudoviruses or ACE2-HEK cell lines.

## Chemical Structure

