



# 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

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## R5 peptide

Cat. No.:	HY-P10510
CAS No.:	380488-45-9
Molecular Formula:	C <sub>84</sub> H <sub>149</sub> N <sub>29</sub> O <sub>28</sub>
Molecular Weight:	2013.26
Sequence:	Ser-Ser-Lys-Lys-Ser-Gly-Ser-Tyr-Ser-Gly-Ser-Lys-Gly-Ser-Lys-Arg-Arg-Ile-Leu
Sequence Shortening:	SSKKSYSYSGSKGSKRRIL
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

R5 peptide is one of the repeating peptide sequences that form the protein diatom in *Cylindrotheca fusiformis*. R5 peptide can be used as a template for the synthesis of Pd (palladium) nanoparticles (NPs). R5 peptide forms complexes with metal ions through the amine groups in its sequence, and the self-assembled structure of the peptide provides a confined spatial environment for the reduction of metal ions and the nucleation of nanoparticles. R5 peptide can be used in the research of biomimetic nanomaterials<sup>[1]</sup>.

### REFERENCES

[1]. Li Q, et al. Biomimetic mineralization based on self-assembling peptides[J]. Chemical Society Reviews, 2023, 52(5): 1549-1590.

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

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